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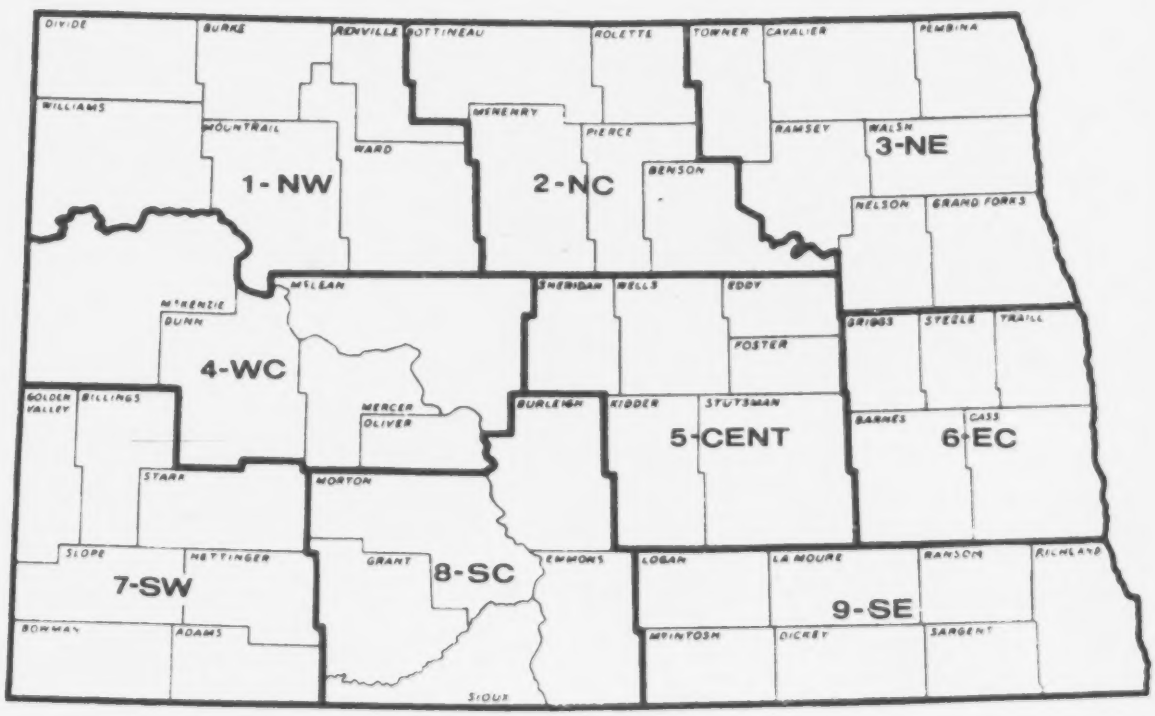
NORTH DAKOTA AGRICULTURAL STATISTICS 1988

Wild Prairie Rose
North Dakota
State Flower

Ag Statistics No. 57
June 1988

NORTH DAKOTA

AGRICULTURAL STATISTICS DISTRICTS



NORTH DAKOTA

AGRICULTURAL STATISTICS

1988

Compiled by

NORTH DAKOTA
AGRICULTURAL STATISTICS SERVICE
Fact Finding for Agriculture

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U.S. DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL STATISTICS SERVICE

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By Harold Umber, North Dakota Game and Fish Department.

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U.S. Department of Agriculture
National Agricultural
Statistics Service

Cooperating
North Dakota State University
Cooperative Extension Service
NOAA—National Weather Service

June 1988

Dear Agricultural Data User:

It is a pleasure to present this 31st Annual Summary of "North Dakota Agricultural Statistics, 1988" continuing a series which dates back to 1957. It is the 57th such publication published by this office including other special reports. A reference to issues in this series containing county estimates is on the inside of the back cover.

This is a comprehensive report of agricultural statistics for North Dakota including information on crop production, livestock numbers, farm income, prices, weather and grain shipments. It also includes estimates by counties for major crops. Livestock county estimates were discontinued for January 1, 1988 because of a cut in funds provided by N.D.S.U.

A big special "THANK YOU" from all of us to the thousands of North Dakota farmers, ranchers and agri-business people who voluntarily report essential basic data for making these estimates. The information contained in this publication would not be possible without their most gracious and devoted service. The help of county extension agents, their staff, as well as other University, State and Federal agencies is also appreciated.

Collection and publication of these data have been made possible through the cooperative efforts of the National Agricultural Statistics Service, U.S.D.A., and North Dakota State University. Data were compiled by the staff of the North Dakota Agricultural Statistics Service. Funds for publishing this report were provided by the Agricultural Experiment Station, Department of Agricultural Economics, and Cooperative Extension Service of N.D.S.U. Other contributors include the National Weather Service, North Dakota Wheat Commission, American Malting Barley Association, Inc., The Upper Grain Plains Transportation Institute and the Public Service Commission.

Estimates are based on information collected from producers and agribusiness establishments. Much of the data are based on voluntary reports obtained through mail surveys. Probability sampling techniques are also utilized. All of the agriculture is accounted for within Sample segments of land randomly selected throughout the State. These segments represent a certain portion of the total land which enables the data to be expanded to State estimates.

Samples are also selected from a list of farm operations, "Universe List". State indications are obtained by expanding the sample data. Operations found in the land area frame sample mentioned above are also checked against the names on the list. Those not found are used to measure the incompleteness of the "List". Objective counts and measurements from sample plots in durum, other spring wheat and potato fields are also used in estimating yields.

OTHER REPORTS AVAILABLE:

-- N.D. 'Farm Reporter" (Bi-weekly) --
-- Weekly "Crop-Weather" --

Call us at (701) 239-5306, or write P.O. Box 3166, Fargo, North Dakota 58108, for an order form.

Robert F. Carver

Robert F.Carver
State Statistician

INTRODUCTORY STATISTICS

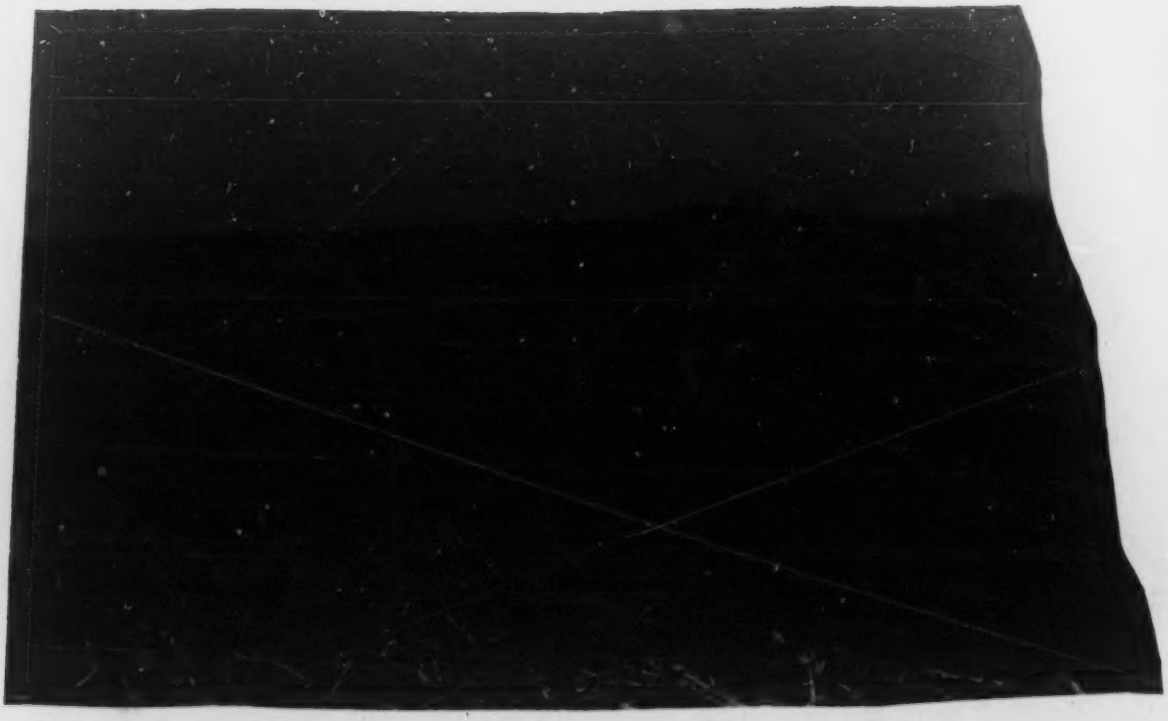
NORTH DAKOTA'S RANK AMONG STATES

RANK OF COUNTIES

FARM INCOME

REAL ESTATE

WEATHER

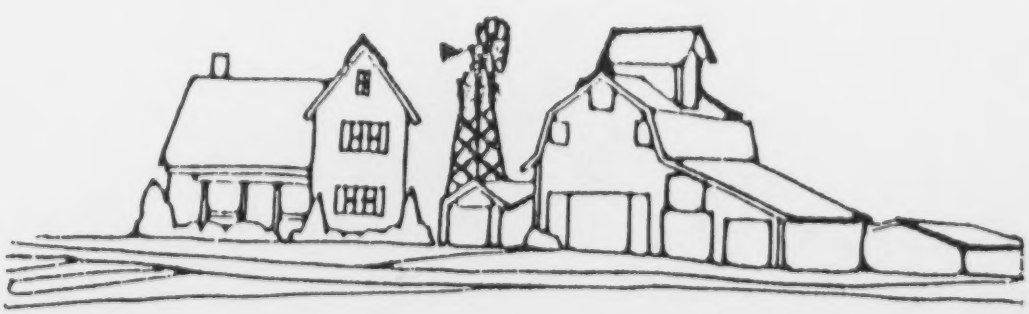


Summary of

NORTH DAKOTA'S RANK IN AGRICULTURE

NORTH DAKOTA'S 1987 CROP RANK AMONG STATES

North Dakota Ranks...		North Dakota Produces... (Percent of Nation)
1st in	Durum Wheat	80%
	Other Spring Wheat	42%
	Barley	26%
	Flaxseed	88%
	Sunflower	80%
	Pinto Beans	28%
	Rye	26%
2nd in	All Wheat	13%
	Dry Edible Beans	19%
	Honey Production	14%
3rd in	Total Cropland	6%
4th in	Sugarbeets	11%
	Oats	10%
	Area Harvested – Principal Crops	7%
	Area Planted – Principal Crops	7%



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THE 10 LEADING STATES AND NORTH DAKOTA'S RANK

Item	1	2	3	4	5	6	7	8	9	10	North Dakota's Rank	Percent of Nation
CROP PRODUCTION - 1987												
Corn for Grain	IA	IL	NE	MN	IN	OH	WI	MO	SD	MI	20	1
Corn for Silage	WI	NY	PA	CA	MN	MI	NE	IA	OH	SD	17	2
Winter Wheat	KS	OK	WA	TX	CO	NE	MT	ID	IL	SD	30	*
Durum Wheat	ND	MT	CA	AZ	SD	MN	--	--	--	--	1	80
Other Spring Wheat	ND	MN	MT	SD	ID	WA	CO	OR	UT	NV	1	42
All Wheat	KS	ND	MT	OK	WA	SD	MN	TX	CO	NE	2	13
Oats	SD	MN	WI	ND	IA	OH	NE	MI	PA	IL	4	10
Barley	ND	MT	ID	MN	WA	SD	OR	CA	CO	UT	1	26
Rye	ND	SD	GA	MN	NE	NC	MI	PA	SC	VA	1	26
Flaxseed	ND	SD	MN	--	--	--	--	--	--	--	1	88
Potatoes	ID	WA	OR	ME	ND	CO	WI	CA	MN	MI	5	6
Sugarbeets	MN	CA	ID	ND	MI	WY	NE	MT	CO	TX	4	11
Soybeans	IA	IL	MN	IN	MO	OH	NE	AR	KS	MS	19	1
Pinto Beans	ND	CO	NE	ID	WY	MN	KS	WA	NM	MI	1	28
Dry Edible Beans, All	MI	ND	NE	CA	ID	CO	MN	WA	WY	NY	2	19
Sunflower, Oil	ND	SD	MN	TX	--	--	--	--	--	--	1	78
Sunflower, Non-oil	ND	MN	SD	TX	--	--	--	--	--	--	1	92
Sunflower, All	ND	SD	MN	TX	--	--	--	--	--	--	1	80
Alfalfa Hay & Mixtures	WI	CA	MN	IA	SD	NE	ID	MI	KS	ND	10	4
All Other Hay	TX	MO	KY	OK	KS	NY	PA	TN	NE	SD	13	3
All Hay	CA	WI	TX	MN	SD	IA	NE	MO	KS	NY	12	3
Total Acreage of Principal Crops Planted	IA	IL	KS	ND	MN	TX	NE	SD	MO	IN	4	7
Total Acreage of Principal Crops Harvested	IA	IL	KS	ND	MN	TX	NE	SD	MO	IN	4	8
LIVESTOCK ON HAND - JAN. 1, 1988												
All Cattle & Calves 2/	TX	KS	NE	OK	IA	CA	MO	WI	SD	MN	20	2
Cows That Have Calved												
Milk	WI	CA	NY	MN	PA	OH	MI	TX	IA	MO	27	1
Beef	TX	MO	OK	NE	KS	SD	MT	IA	FL	KY	15	3
All Hogs - Dec. 1, 1987	IA	IL	IN	MN	NE	MO	NC	OH	SD	KS	22	1
All Sheep & Lambs	TX	CA	WY	CO	SD	MT	OR	UT	NM	IA	17	2
Sheep & Lambs on Feed	CO	CA	TX	WY	KS	OR	MN	IA	SD	OH	16	2
Cattle & Calves on Feed	TX	NE	KS	CO	IA	CA	IL	AZ	OK	MN	25	*
All Chickens, Dec. 1987	CA	IN	GA	AR	OH	PA	NC	TX	AL	FL	45	*
LIVESTOCK PRODUCTION IN 1987												
Calf Crop 4/	TX	MO	WI	OK	CA	NE	SD	IA	KS	MT	15	2
Lamb Crop 5/	TX	CA	SD	WY	MT	UT	OR	IA	CO	ID	15	2
Pig Crop	IA	IL	MN	IN	NE	MO	NC	OH	SD	WI	22	1
Turkeys Raised	NC	MN	CA	AR	VA	MO	IN	IA	PA	WI	20	*
Egg Production	CA	IN	PA	GA	OH	AR	TX	NC	AL	FL	46	*
Wool Production	TX	CA	WY	CO	SD	MT	UT	NM	IA	OR	15	2
Honey Production	SD	ND	FL	CA	MN	NE	MT	TX	WI	ID	2	14
Milk Production	WI	CA	NY	MN	PA	MI	OH	TX	WA	IA	31	1
Butter	WI	CA	MN	WA	PA	MI	NY	KS	MO	OH	14	*
American Cheese	WI	MN	CA	IA	ID	NY	SD	MO	ND	IN	9	2
CASH RECEIPTS - 1987												
Crops	TX	IA	NE	CA	WI	KS	MN	CO	IL	PA	31	1
Livestock	CA	FL	IL	IA	TX	MN	IN	NE	WA	KS	13	3
Total	CA	TX	IA	NE	IL	MN	KS	WI	FL	IN	23	2
Government Payments 1/	IA	IL	TX	NE	MN	KS	ND	IN	SD	MO	7	4
Realized Income												
Gross 1/	CA	TX	IA	NE	IL	MN	KS	WI	FL	IN	21	2
Net 1/	CA	TX	IA	FL	NE	MN	WI	KS	IL	WA	21	2

* Less than one-half of one percent. 1/ 1986 Data. 2/ CA and IA tied for 5th place. 3/ IA and SD tied for 8th place. 4/ IA and KS tied for 8th place. 5/ CO and IA tied for 8th place.

RANK OF NORTH DAKOTA'S COUNTIES

County	Crop Production - 1987								Livestock on Hand 1/			
	All Wheat	Spring Wheat	Durum Wheat	Sun-flower	Barley	Oats	Corn Grain	All Hay 1/	All Cattle Jan. 1 1986	Milk Cows Jan. 1 1986	All Hogs Dec. 1 1985	All Sheep Jan. 1 1986
Adams	36	24	49	37	46	38	43	23	21*	42*	33	3
Barnes	7	5	29	2	4	27	8	27	27*	20*	5	9
Benson	19	46	6	7	17	17	22	29	26	24*	32	36*
Billings	52	50	52*	52	53	31	52*	14	27*	42*	53	46*
Bottineau	10	32	5	18	8	15	41	37	40	42*	40*	39
Bowman	43	38	30	46	41	42	34	24	23*	42*	42	1
Burke	31	40	15	31	30	34	46	42	46	46*	49*	19*
Burleigh	37	28	35	29	44	6	24	6	5*	16*	8	23*
Cass	2	1	17	19	2	32	2	38	34	30*	1	4
Cavalier	1	7	2	26	1	47	48	52	48*	46*	19	51
Dickey	27	23	37	14	20	18	4	15	12	12	2	5*
Divide	18	48	4	47	28	36	52*	40*	45	51*	34*	23*
Dunn	47	37	48	43	40	11	45	1	2	22	25	35
Eddy	48	45	33	24	45	25	25	28	39	32*	52	18
Emmons	25	14	51	38	34	4	20	5	4	2	17*	43
Foster	32	20	41	10	47	28*	19	46	41*	39*	21	30*
Golden Valley	46	44	28	50	49	37	51	43	30*	35*	27*	13*
Grand Forks	6	4	27	15	3	45	7	48	44	27*	16	28*
Grant	44	35	50	28	32	10	18	9	3	6	10*	12
Griggs	34	22	14	20	19	44	27	39	38	30*	30*	36*
Hettinger	21	12	23	25	35	5	23	33	30*	13	13	44
Kidder	50	41	44	45	48	12	17	3	8	11	29	5*
LaMoure	20	10	24	5	16	8	6	18	17	8	9	10
Logan	42	33	39*	36	36	29*	31*	8	13	5	34*	42
McHenry	33	26	25	11	29	7	16	7	7	9	27*	16*
McIntosh	40	31	43	33	39	16	39	11	10	4	39	40*
McKenzie	30	36	20	51	43	21	42	10	5*	39*	26	2
McLean	12	21	8	3	22	1	21	16	14*	16*	23	34
Mercer	49	43	36	40	51	13	36	17	14*	19	44	46*
Morton	29	18	46*	27	26	3	14	2	1	1	6	16*
Mountrail	24	51	7	34	33	19	50	20	23*	27*	45*	23*
Nelson	15	19	10	8	13	40	31*	40*	43	32*	36*	36*
Oliver	51	47	52*	44	50	23	28	21	18*	10	14*	21
Pembina	5	3	38	39	7	49	15	44	47	51*	10*	46*
Pierce	38	42	18	12	31	30	26	32	35	16*	51	45
Ramsey	9	25	3	9	9	50	30	50	48*	37*	30*	40*
Ransom	35	27	39*	13	25	24	3	34*	21*	29	7	30*
Renville	26	29	16	32	21	39	35	47	50*	37*	49*	53
Richland	8	8	19	35	15	20	1	36	16	14	3	28*
Rolette	39	53	12	30	23	46	40	31	37	35*	45*	33
Sargent	28	34	22	16	27	33	5	26	23*	24*	4	19*
Sheridan	41	30	46*	17	37	22	33	30	30*	23	43	52
Sioux	53	52	45	53	52	41	37	12	18*	26	47*	30*
Slope	45	39	26	41	42	43	49	25	27*	39*	20	13*
Stark	23	15	31	48	38	9	38	4	11	7	17*	15
Steele	22	13	42	23	10	51	13	53	53	51*	47*	23*
Stutsman	4	6	13	1	12	2	9	13	9	3	14*	8
Towner	11	49	1	22	11	52	47	49	50*	46*	36*	22
Traill	17	9	32	49	5	53	11	51	52	46*	22	46*
Walsh	3	2	21	21	6	48	12	45	41*	32*	12	46*
Ward	13	17	9	6	14	14	29	19	18*	15	24	11
Wells	16	11	14	4	18	26	10	34*	30*	20*	40*	23*
Williams	14	16	11	42	24	35	44	22	36	46*	36*	7

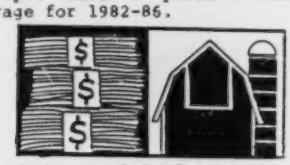
*Tied with another county. 1/ Discontinued after January 1, 1986.

NORTH DAKOTA FARM INCOME

Source: Economic Indicators of the Farm Sector, U.S.D.A. - E.R.S.

1987 CASH RECEIPTS, PRELIMINARY

Preliminary cash receipts data indicated that marketings of crops and livestock in North Dakota during 1987 totaled $2.3 billion, up 1 percent from 1986, but 13 percent below 1985. Receipts were 9 percent below the average for 1982-86.



Cash receipts from crops in 1987 totaled $1.5 billion, down 5 percent from 1986, while receipts from livestock were $794 million, up 18 percent from the previous year. Government payments totaled $719.8 million in 1987, up 3 percent from 1986.

1986 CASH RECEIPTS

Cash receipts from farm marketings and government payments totaled $3.0 billion in 1986, down 5 percent from 1985, but virtually identical to 1984. Receipts from marketed crops totaled $1.6 billion, 54 percent of the total while livestock receipts totaled $676 million, 23 percent of the total. The remaining 23 percent came from government payments which totaled $700 million.

Decreases in wheat and barley were largely responsible for a 19 percent reduction in crop receipts. Slight declines in cattle and dairy products pushed livestock receipts 2 percent below 1985. Government payments were up 45 percent from 1985.

Wheat continued to be the largest source of cash receipts for North Dakota farmers, bringing in $734 million in 1986, 25 percent of the total. Cattle and calves ranked second with $464 million, 16 percent of the total. Barley was third with $221 million or 7 percent of the total.

INCOME PER FARM

Realized gross income per farm averaged $94,697, down 6 percent from $100,218 in 1985, and 3 percent below 1984. Realized gross income includes the value of inventory adjustment.

Total net income rose to an average of $21,045 per farm in 1986, up 8 percent from 1985 and 30 percent greater than 1984.

CASH RECEIPTS FROM FARM MARKETINGS AND GOVERNMENT PAYMENTS, North Dakota, 1984-86 and 1987

Item	1984 1/	1985 1/	1986	Percent Total 1986 2/	1987
	--- Thousand Dollars ---			-Pct.-	-000 $-
CROPS	1,840,319	2,001,059	1,623,216	54.1	1,538,541
Food Grains	881,934	1,033,413	739,394	24.7	
Wheat	872,605	1,028,011	733,711	24.5	
Rye	9,329	5,402	5,683	.2	
Feed Crops	352,438	406,562	346,250	11.5	
Barley	245,998	293,138	221,340	7.4	
Corn	67,214	75,143	85,635	2.9	
Hay	17,596	21,497	22,247	.7	
Oats	21,630	16,784	17,028	.6	
Oil Crops	407,169	287,718	261,343	8.7	
Sunflower	272,163	171,469	163,127	5.4	
Soybeans	109,925	88,034	66,837	2.2	
Flaxseed	25,081	28,215	31,379	1.0	
Veg, Fruits, Nuts	85,144	151,728	138,227	4.6	
Dry Beans	25,356	67,792	74,629	2.5	
Potatoes	59,098	83,296	62,833	2.1	
Misc.	690	640	765	--	
Other Crops	113,634	121,638	138,002	4.6	
Sugarbeets	85,433	89,651	104,086	3.5	
Other	28,201	31,987	33,916	1.1	
LIVESTOCK	693,387	686,850	675,831	22.5	794,976
Meat Animals	523,792	524,547	521,967	17.4	
Cattle & Calves	480,520	479,238	464,487	15.5	
Hogs	34,887	34,475	47,604	1.6	
Sheep & Lambs	8,385	10,834	9,876	.3	
Dairy Products	124,845	122,778	116,390	3.9	
Poultry & Eggs	14,057	13,467	12,381	.4	
Turkeys	7,503	9,052	9,839	.3	
Eggs	6,270	4,130	2,338	.1	
Chickens, Farm	136	125	60	--	
Misc. Livestock	30,693	26,058	25,093	.8	
Wool	1,155	937	875	--	
Other Livestock	29,538	25,121	10,565	.4	
Honey	NA	NA	13,653	.5	
TOTAL CROPS & LIVESTOCK	2,533,706	2,687,909	2,299,047	76.7	2,333,517
Gov't Payments	463,245	483,652	700,180	23.3	719,783
GRAND TOTAL	2,996,951	3,171,561	2,999,227	100.0	3,053,300

1/ Revised. 2/ Items may not add due to rounding. NA - Not available.

CASH RECEIPTS FROM MARKETINGS, BY MONTHS and Percent Distribution, North Dakota, 1987

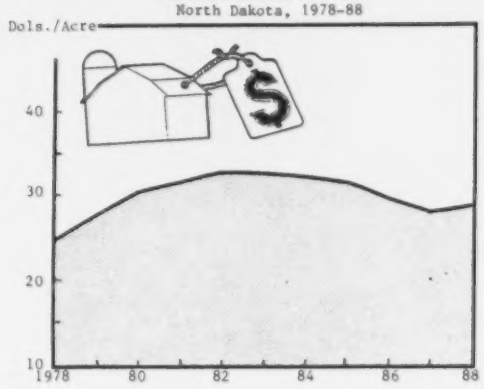
Month	Livestock		Crops		Total	
	(000 $)	(Pct.)	(000 $)	(Pct.)	(000 $)	(Pct.)
January	70,189	8.8	97,664	6.3	167,853	7.2
February	77,647	9.8	105,695	6.9	183,342	7.9
March	65,666	8.3	87,674	5.7	153,340	6.6
April	64,840	8.1	85,009	5.5	149,849	6.4
May	54,991	6.9	90,659	5.9	145,650	6.2
June	45,834	5.8	125,427	8.2	171,261	7.3
July	35,720	4.5	108,358	7.0	144,078	6.2
August	46,659	5.9	116,865	7.6	163,524	7.0
September	61,202	7.7	204,417	13.3	265,619	11.4
October	77,937	9.8	160,845	10.5	238,782	10.2
November	103,425	13.0	195,842	12.7	299,267	12.8
December	90,866	11.4	160,086	10.4	250,952	10.8
Year	794,976	100.0	1,538,541	100.0	2,333,517	100.0

FARM INCOME CONT.

CASH RECEIPTS FROM GOVERNMENT PAYMENTS
North Dakota, 1984-87

Item	1984	1985	1986	1987
	---Thousand Dollars---			
Conservation	4,543	4,892	3,424	43,372
Feed Grain Prog.	21,307	78,914	115,067	196,228
Wheat Program	278,479	314,187	511,090	409,187
Miscellaneous	158,916	85,659	70,599	70,996
Total	463,245	483,652	700,180	719,783

CROPLAND RENTED FOR CASH
North Dakota, 1978-88



FARM INCOME
North Dakota, 1977-86

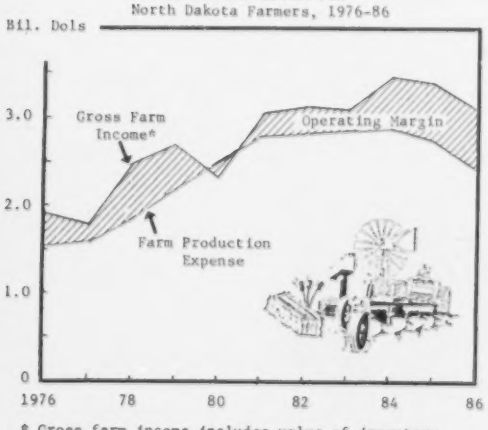
Year	Gross 1/ Total	Gross 1/ Per Farm	Net Total	Net Per Farm
	Mil. $	Dol.	Mil. $	Dol.
1977	1,777.2	43,346	175.8	4,288
1978	2,463.6	60,088	602.0	14,683
1979	2,680.7	66,190	500.6	12,360
1980	2,318.9	57,973	-168.1	-4,203
1981	3,021.0	78,468	225.7	5,862
1982	3,118.2	84,276	294.5	7,959
1983	3,084.3	84,501	220.8	6,049
1984	3,467.4	97,673	576.1	16,228
1985	3,407.4	100,218	661.5	19,456
1986	3,125.0	94,697	694.5	21,045

1/ Total gross income (allows for inventory adjustment).

GROSS & NET FARM INCOME
North Dakota, 1984-86

Item	1984	1985	1986
	- - - Million Dollars - - -		
Gross Farm Income	3,467.4	3,407.4	3,125.0
Receipts from Farm Mktgs.	2,533.7	2,687.9	2,299.0
Government Payments	463.2	483.7	700.2
Non-Cash Income	186.4	156.4	136.3
Other Farm Income	27.4	34.9	27.2
Value of Inventory Adj.	256.7	44.6	-37.7
Farm Production Expenses	2,891.3	2,746.0	2,430.5
Net Farm Income	576.1	661.5	694.5
	- - - Dollars - - -		
Gross Income Per Farm	97,673	100,218	94,697
Net Income Per Farm	16,228	19,456	21,045

OPERATING MARGIN FOR
North Dakota Farmers, 1976-86



* Gross farm income includes value of inventory adjustments.

FARM PRODUCTION EXPENSES
North Dakota, 1984-86

Item	1984	1985	1986
	-- Million Dollars --		
Intermediate Product Expenses	1,175.2	1,172.5	1,029.0
Feed	82.5	77.5	63.1
Livestock	34.6	36.9	26.2
Seed	100.3	97.4	86.8
Fertilizer and Lime	130.7	158.4	161.1
Pesticides	130.1	131.5	118.2
Fuel and Oil	229.8	211.8	154.1
Electricity	32.7	32.5	32.1
Repair and Maintenance	151.7	144.3	145.2
Other Miscellaneous	282.8	282.1	242.4
Interest: Real Estate	228.4	219.4	202.8
Non-real Estate	322.8	275.5	212.7
Labor Expenses	82.0	82.8	83.5
Net Rent To Non-op. Landlords	383.7	379.4	320.1
Capital Consumption	619.9	527.0	494.4
Property Taxes	79.4	89.3	88.0
Total Production Expenses	2,891.3	2,746.0	2,430.5

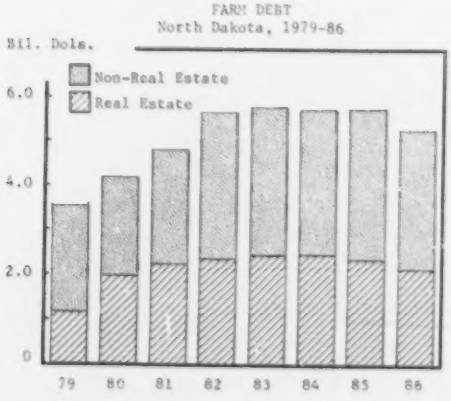
Source of above data: Economic Indicators of the Farm Sectors, U.S.D.A., E.R.S.

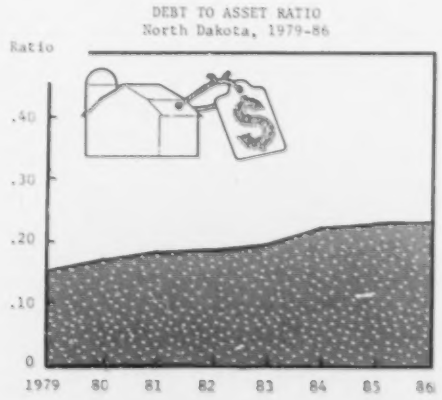
FARM ASSETS & DEBT

FARM BALANCE SHEET, NORTH DAKOTA, DECEMBER 31, 1982-86

Item	1982	1983	1984	1985	1986
			EXCLUDING FARM HOUSEHOLD		
ASSETS			- - - - - - - Million Dollars - - - - - - -		
Total Farm Assets	23,309.1	22,974.6	19,960.7	17,879.6	16,259.0
Real Estate	17,117.0	17,125.9	14,051.2	12,349.1	10,937.5
Livestock and Poultry	892.1	910.4	883.2	822.5	837.7
Machinery and Motor Vehicles	3,178.6	3,121.0	2,945.2	2,657.3	2,446.9
Crops	1,130.8	755.5	819.9	761.0	731.0
Financial Assets	990.6	1,061.8	1,261.2	1,289.8	1,306.0
DEBTS					
Total Farm Debt	4,497.8	4,594.1	4,567.1	4,244.1	3,878.7
Real Estate Debt	2,229.9	2,321.6	2,330.7	2,208.9	2,030.4
Nonreal Estate Debt	2,267.9	2,272.5	2,236.4	2,035.1	1,848.3
Equity	18,811.3	18,380.5	15,393.6	13,635.6	12,380.3
RATIOS					
Equity/Assets	80.7	80.0	77.1	76.3	76.1
Debt/Equity	23.9	25.0	29.7	31.1	31.3
Debt/Assets, Total	19.3	20.0	22.9	23.7	23.9
Debt/Assets, Real Estate	13.0	13.6	16.6	17.9	18.6
Debt/Assets, Nonreal Estate	36.6	38.9	37.8	36.8	34.7
Returns to Operator/Total Debt	4.6	3.1	10.8	13.6	16.0
			INCLUDING FARM HOUSEHOLDS		
ASSETS			- - - - - - - Million Dollars - - - - - - -		
Total Farm Assets	24,991.4	24,664.3	21,512.5	19,342.9	17,710.2
Real Estate	17,999.0	17,999.0	14,760.0	12,965.3	11,477.4
Livestock and Poultry	892.1	910.4	883.2	822.5	837.7
Machinery and Motor Vehicles	3,363.3	3,288.8	3,121.5	2,801.6	2,570.7
Crops	1,130.8	755.5	819.9	761.0	731.0
Household Equipment and Furnishings	319.6	343.1	341.9	358.3	374.2
Deposits and Currency	302.7	313.9	334.4	355.5	420.2
U.S. Savings Bonds	129.9	132.1	132.2	141.8	164.6
Investments in Cooperatives	853.9	921.4	1,119.4	1,136.9	1,134.5
DEBTS					
Total Farm Debt	4,750.5	4,851.3	4,825.9	4,494.1	4,113.6
Real Estate Debt	2,342.2	2,438.0	2,447.0	2,318.6	2,130.5
Nonreal Estate Debt	2,408.3	2,413.3	2,378.9	2,175.5	1,983.0
Equity	20,240.8	19,813.0	16,686.5	14,848.8	13,596.6
RATIOS					
Equity/Assets	81.0	80.3	77.6	76.8	76.8
Debt/Equity	23.5	24.5	28.9	30.3	30.3
Debt/Assets, Total	19.0	19.7	22.4	23.2	23.2
Debt/Assets, Real Estate	13.0	13.5	16.6	17.9	18.6
Debt/Assets, Nonreal Estate	34.4	36.2	35.2	34.1	31.8
Net Farm Income/Debt	6.4	4.6	11.9	14.2	16.1

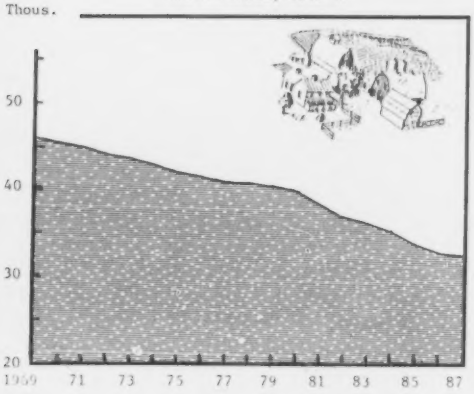
Source: Economic Indicators of the Farm Sector, U.S.D.A. -E.R.S.



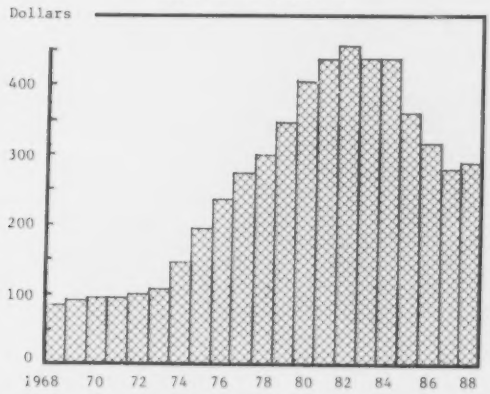


FARM REAL ESTATE

NUMBER OF FARMS
North Dakota, 1969-87



FARM REAL ESTATE - VALUE PER ACRE
North Dakota, 1968-88



NUMBER OF FARMS, LAND IN FARMS, AVERAGE SIZE, VALUE, AND REAL ESTATE TAXES
North Dakota, 1974-88

Year	Number of Farms	All Land in Farms	Average Size of Farms	Total Value	Value per Acre	Farm Real Estate Taxes/$100 Value
	(Number)	(000 Acres)	(Acres)	(Mil. Dols.)	(Dols.)	(Dols.)
1974	43,000	41,700	970	6,005	144	.87
1975	42,000	42,300	1,007	8,249	195	.74
1976	41,500	42,000	1,012	9,903	236	.65
1977	41,000	41,800	1,020	11,451	274	.62
1978	41,000	41,700	1,017	12,493	300	.58
1979	40,500	41,700	1,030	14,470	347	.51
1980	40,000	41,700	1,043	16,888	405	.48
1981	38,500	41,300	1,073	18,007	436	.44
1982	37,000	41,000	1,108	18,655	455	.46
1983	36,500	41,000	1,123	17,999	439	.48
1984	35,500	41,000	1,155	17,999	439	NA
1985	34,000	40,900	1,203	14,724	360	NA
1986	33,000	40,700	1,233	12,894	317	NA
1987	32,500	40,500	1,252	11,419	282	NA
1988	NA	NA	NA	11,846	292	NA

NA - Not available.

GROSS RENTS PER ACRE AND RATIO TO VALUE
North Dakota, 1981-88

Year	Farms		Cropland		Pastures	
	Gross Rent Per Acre	Ratio Gross Rent to Value	Gross Rent Per Acre	Ratio Gross Rent to Value	Rent Per Acre	Ratio Rent to Value
	($)	(%)	($)	(%)	($)	(%)
1981	25.50	5.9	31.60	6.1	9.10	4.3
1982	27.30	5.8	32.90	6.1	9.20	4.4
1983	26.90	6.3	32.60	6.5	8.70	4.4
1984	27.36	6.5	32.42	6.7	9.86	5.1
1985	25.70	7.4	31.70	7.6	9.00	5.6
1986	26.90	8.1	29.70	8.1	7.80	5.8
1987	23.40	7.7	28.20	8.4	7.80	6.7
1988	25.40	8.1	28.80	8.1	8.50	6.6

Source: Farm Real Estate Market Developments, E.R.S.

RENT PER ACRE BY DISTRICT,
North Dakota, 1987-88

District	Rented for Cash					
	Farms		Cropland		Pasture	
	1987	1988	1987	1988	1987	1988
	- - - Dollars - - -					
N.West	22.94	25.60	24.57	24.13	7.13	7.82
N.Cent.	16.71	23.40	22.65	26.28	6.70	8.38
N.East	35.06	34.31	36.91	37.91	9.04	10.05
W.Cent.	17.57	19.57	22.80	21.17	7.15	8.15
Cent.	23.78	24.82	27.30	24.56	8.63	8.56
E.Cent.	41.47	42.92	42.26	44.17	11.02	12.93
S.West	14.43	16.63	19.50	20.47	7.75	8.82
S.Cent.	12.29	14.54	18.50	18.57	7.92	7.55
S.East	27.87	29.26	30.29	31.66	10.80	10.70
STATE	23.40	25.40	28.20	28.80	7.80	8.50

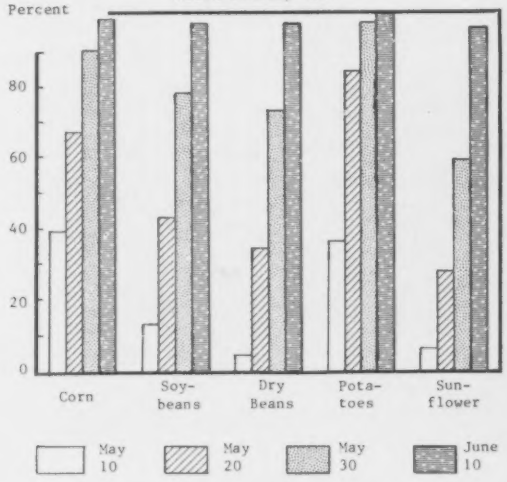
NORTH DAKOTA CROP & WEATHER DATA, 1987

PLANTING AND HARVEST PROGRESS BY DATE AND PRECIPITATION MAP

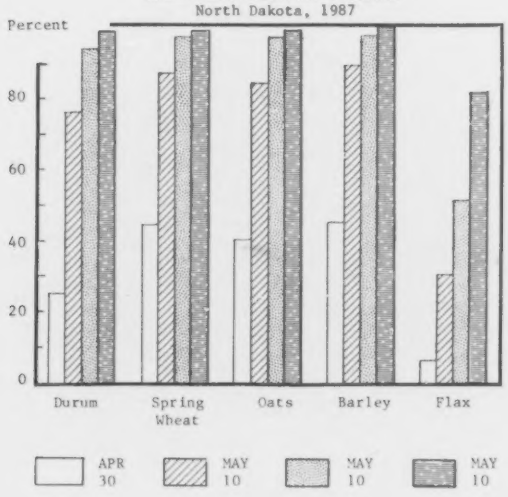
Highlights

- Planting progressed well ahead of normal due to a warm, dry, early May.
- June was mostly hot and dry, pushing small grain development ahead of normal followed by a hot, moist July.
- Hot, rainy weather end of July promoted weeds and disease in small grains.
- Small grain harvest progressed well ahead of normal, but yields were hurt by wet conditions in July and August.
- Small grain harvest completed early September, one week ahead of normal.
- Late season crop development progressed ahead of normal due to early planting and a warm growing season with adequate subsoil moisture.
- Harvest conditions for late season crops were excellent as dry weather prevailed. All crops were harvested nearly two weeks ahead of normal.

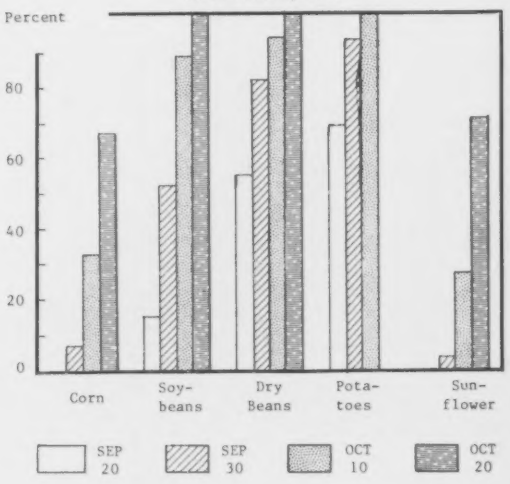
ROW CROP PLANTING PROGRESS
North Dakota, 1987



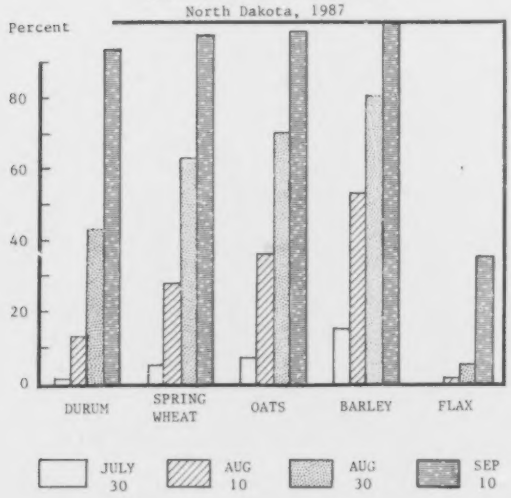
SMALL GRAIN PLANTING PROGRESS
North Dakota, 1987



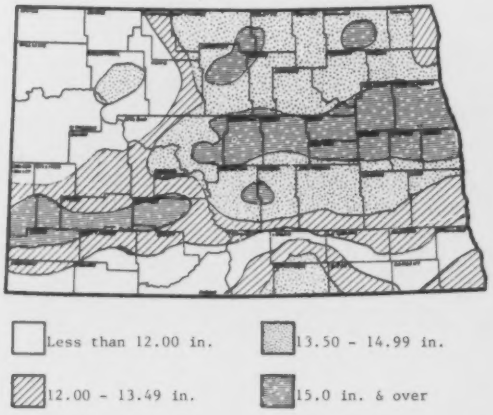
ROW CROP HARVEST PROGRESS
North Dakota, 1987



SMALL GRAIN HARVEST PROGRESS
North Dakota, 1987



ANNUAL GROWING SEASON PRECIPITATION,
April-September, 1987 - North Dakota



PLANTING & HARVEST PROGRESS

PERCENT OF ACREAGE PLANTED AND HARVESTED BY SPECIFIED DATES,
North Dakota, 1987 and 5-Year Average (1983-87)

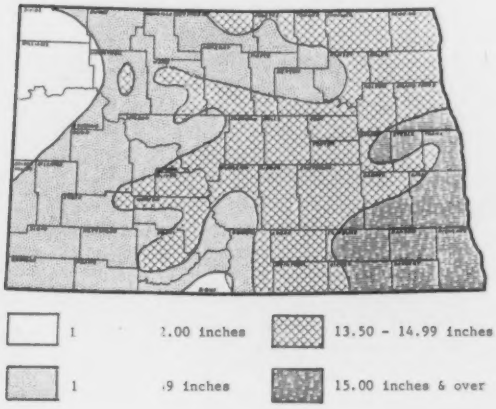
Crop	Year	Percent Planted by Specified Dates						
		April			May			June
		10	20	30	10	20	30	10
Durum Wheat	1987	1/	2	25	76	94	99	100
	Average	1/	2	17	45	74	96	100
Other Spring Wheat	1987	1/	6	44	87	97	99	100
	Average	1	6	29	59	84	98	100
Oats	1987	1/	5	40	84	97	99	100
	Average	1	6	28	55	82	97	100
Barley	1987	1/	6	45	89	98	100	
	Average	1	5	27	58	85	98	100
Flax	1987			6	30	51	81	98
	Average			4	16	38	74	95
Corn	1987			10	39	67	90	99
	Average			4	18	47	80	96
Soybeans	1987			1	13	43	78	98
	Average			1	7	34	80	98
Beans, Dry	1987				4	34	73	98
	Average				2	22	71	96
Potatoes	1987			4	36	84	98	100
	Average			5	23	59	90	99
Sunflower	1987				6	28	59	96
	Average				2	15	56	91
Sugarbeets	1987			83	100			
	Average			39	76	93	99	

Crop	Year	Percent Harvested by Specified Dates										
		July	August			September			October			Nov.
		30	10	20	30	10	20	30	10	20	30	10
Durum Wheat	1987	1	13	43	72	93	99	100				
	Average	1	10	37	64	84	91	94	95	97	100	
Other Spring Wheat	1987	5	28	63	85	97	99	100				
	Average	2	21	53	77	91	95	97	98	99	100	
Winter Wheat	1987	47	88	98	100							
	Average	29	79	96	100							
Oats	1987	7	36	70	87	98	100					
	Average	6	33	64	86	96	98	99				
Barley	1987	15	53	80	94	100						
	Average	10	46	75	92	97	99	100				
Flax	1987		1	5	15	35	66	85	95	99	100	
	Average		1	5	18	39	56	70	80	89	97	
Corn for Grain	1987					0	1/	7	33	67	94	100
	Average					1/	1	10	28	49	74	93
Soybeans	1987					3	15	52	89	100		
	Average					2	9	31	57	80	94	99
Beans, Dry	1987				2	23	55	82	94	100		
	Average				4	22	41	61	77	90	98	
Potatoes	1987		1	5	11	42	69	93	100			
	Average		1/	2	5	20	45	72	88	96		
Sunflower	1987					1/	1/	3	27	71	95	100
	Average					0	1	3	16	40	71	93
Sugarbeets	1987					6	11	24	82	100		
	Average					2	8	18	61	84	97	

1/ Less than one-half of one percent.

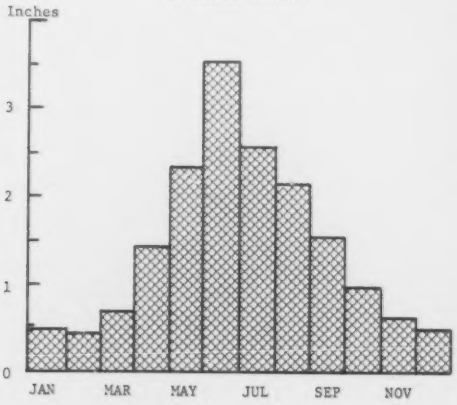
GROWING SEASON

GROWING SEASON PRECIPITATION
North Dakota, April-September, 1951-80 Avg.

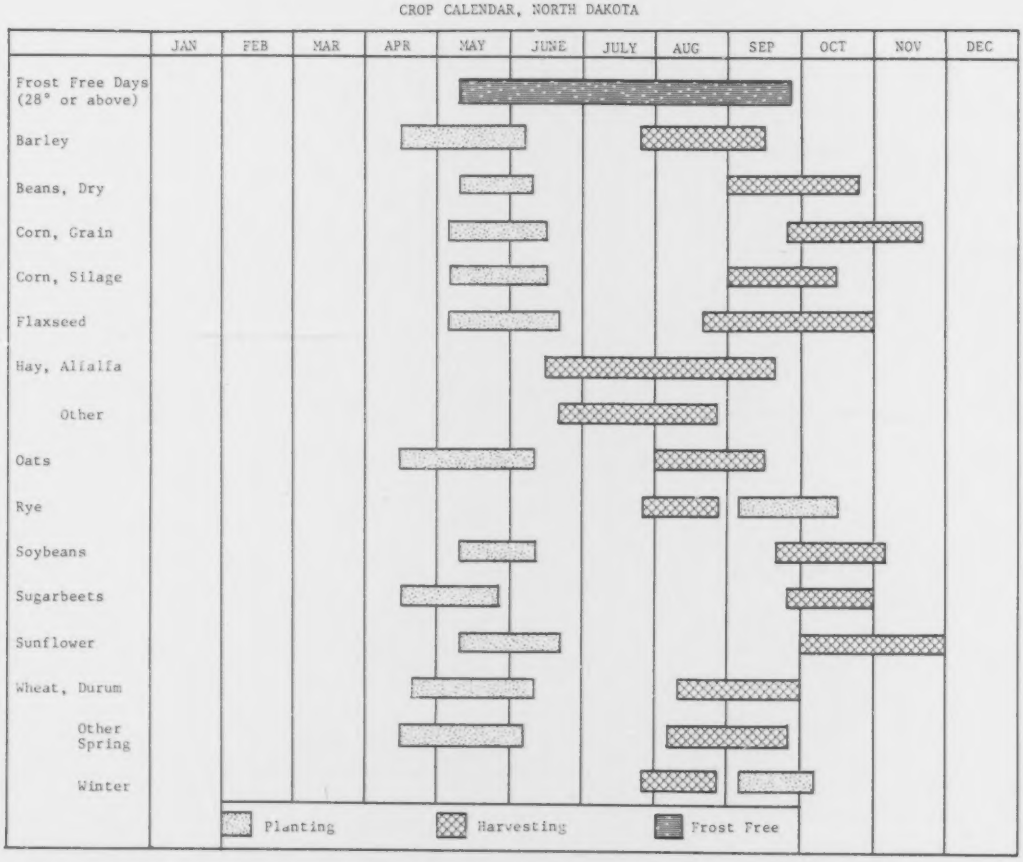


1 2.00 inches
1 .9 inches
13.50 - 14.99 inches
15.00 inches & over

Average Monthly Precipitation
in North Dakota



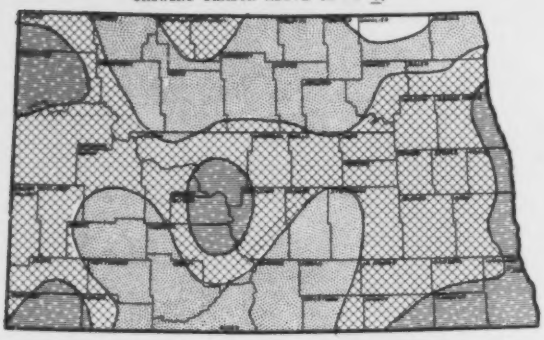
CROP CALENDAR, NORTH DAKOTA



SOURCE: Usual Planting and Harvesting Dates for U.S. Field Crops, USDA NASS April 1984

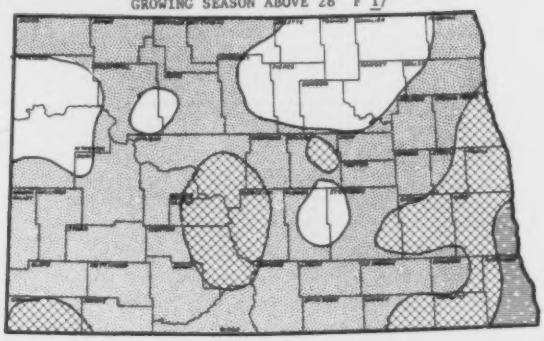
GROWING SEASON

LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 32° F 1/



Under 110 days
110 - 119 days
120 - 129 days
130 days & over

LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 28° F 1/



Under 130 days
130 - 139 days
140 - 149 days
150 days & over

LENGTH OF GROWING SEASON, SELECTED STATIONS, NORTH DAKOTA, AT TEMPERATURES OF 28°F AND 32°F OR ABOVE

Station	County	Average Date of Last Spring Frost		Average Date of First Frost in Fall		Average Number of Days in Growing Season		Number of Years in Average
		28°	32°	32°	28°	32°	28°	
		(Date)	(Date)	(Date)	(Date)	(Days)	(Days)	(Years)
NORTHWEST DISTRICT								
Crosby	Divide	May 10	May 18	Sept. 16	Sept. 23	120	137	63
Minot Exp.	Ward	May 12	May 20	Sept. 17	Sept. 26	119	137	69
Mohall	Renville	May 11	May 18	Sept. 16	Sept. 23	122	135	44
Parshall	Mountrail	May 15	May 21	Sept. 12	Sept. 18	114	126	59
Powers Lake	Burke	May 15	May 23	Sept. 11	Sept. 23	111	133	41
Williston	Williams	May 4	May 13	Sept. 22	Sept. 28	132	146	78
NORTH CENTRAL DISTRICT								
Bottineau	Bottineau	May 15	May 21	Sept. 15	Sept. 23	116	130	70
Granville	McHenry	May 13	May 19	Sept. 15	Sept. 25	119	134	65
Maddock	Benson	May 15	May 23	Sept. 13	Sept. 21	113	129	53
Towner	McHenry	May 14	May 21	Sept. 12	Sept. 21	114	129	54
NORTHEAST DISTRICT								
Grafton	Walsh	May 9	May 18	Sept. 19	Sept. 25	123	139	70
Grand Forks	Grand Forks	May 6	May 16	Sept. 23	Sept. 29	130	146	66
Hansboro	Towner	May 17	May 27	Sept. 11	Sept. 18	106	124	65
Langdon Exp.	Cavalier	May 17	May 28	Sept. 13	Sept. 21	109	126	69
Pembina	Pembina	May 12	May 21	Sept. 17	Sept. 25	119	135	70
WEST CENTRAL DISTRICT								
Dunn Center	Dunn	May 12	May 17	Sept. 18	Sept. 27	122	137	50
Garrison	McLean	May 8	May 18	Sept. 19	Sept. 25	124	139	62
Washburn	McLean	May 6	May 13	Sept. 24	Oct. 1	137	148	26
Watford City	McKenzie	May 7	May 13	Sept. 19	Sept. 27	127	141	34
CENTRAL DISTRICT								
Fessenden	Wells	May 8	May 17	Sept. 18	Sept. 26	123	140	40
Jamestown	Stutsman	May 5	May 15	Sept. 20	Sept. 29	128	146	73
McClusky	Sheridan	May 11	May 20	Sept. 18	Sept. 26	120	137	54
Pettibone	Kidder	May 13	May 22	Sept. 12	Sept. 17	111	124	46
EAST CENTRAL DISTRICT								
Amenia	Cass	May 6	May 15	Sept. 23	Sept. 28	130	144	73
Cooperstown	Griggs	May 11	May 21	Sept. 19	Sept. 26	121	138	49
Fargo	Cass	May 4	May 12	Sept. 26	Oct. 2	137	151	66
Mayville	Traill	May 8	May 17	Sept. 24	Oct. 2	129	147	57
SOUTHWEST DISTRICT								
Beach	Golden Valley	May 12	May 20	Sept. 18	Sept. 27	121	138	58
Bowman	Bowman	May 6	May 14	Sept. 21	Sept. 30	130	146	52
Dickinson Exp.	Stark	May 12	May 19	Sept. 14	Sept. 22	117	132	72
Hettinger	Adams	May 11	May 18	Sept. 20	Sept. 27	124	137	36
Marmarth	Slope	May 11	May 16	Sept. 15	Sept. 23	122	136	43
SOUTH CENTRAL DISTRICT								
Carson #2	Grant	May 11	May 19	Sept. 15	Sept. 24	119	135	59
Mandan Exp.	Morton	May 7	May 12	Sept. 23	Sept. 28	133	144	59
SOUTHEAST DISTRICT								
Edgeley Exp.	LaMoure	May 11	May 18	Sept. 19	Sept. 28	123	139	66
Lisbon	Ransom	May 10	May 19	Sept. 20	Sept. 27	123	139	64
McLeod	Ransom	May 9	May 15	Sept. 22	Sept. 29	129	143	62
Napoleon	Logan	May 14	May 21	Sept. 16	Sept. 23	118	132	72
Oakes	Dickey	May 5	May 13	Sept. 23	Oct. 1	133	149	46
Wahpeton	Richland	May 4	May 13	Sept. 25	Oct. 3	136	151	65

WEATHER DATA

AVERAGE TEMPERATURE BY MONTHS, BY STATIONS AND DISTRICTS, NORTH DAKOTA, 1987 1/

Districts and Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	- - - - Degrees Fahrenheit - - - -												
Bowbells	19.1	24.4	27.9	51.1	58.6	66.0	65.7	60.4	56.1	40.3	31.1	22.1	43.6
Crosby	20.7	27.1	32.0	52.6	61.8	67.9	69.3	64.8	60.2	43.7	34.0	23.1	46.4
Fortuna	11.2	M	25.4	45.6	55.5	66.4	65.8	60.9	56.4	38.8	31.7	21.6	42.2
Kenmare	17.1	25.5	26.6	48.8	59.2	67.4	67.0	62.5	57.8	41.5	33.3	24.2	44.2
Minot Exp. Station	19.6	26.3	27.2	50.0	59.5	68.0	67.7	63.3	58.4	42.0	34.2	24.6	45.1
Mohall	18.0	24.8	25.8	49.7	59.4	67.7	67.5	62.6	58.1	40.6	32.5	22.9	44.1
Powers Lake	16.9	24.4	28.5	51.0	59.6	66.8	67.3	61.2	56.2	38.2	31.5	21.9	43.6
Williston WSO AP	20.7	29.2	32.1	51.6	59.8	68.7	70.0	63.7	59.5	42.3	34.2	22.9	46.2
NORTHWEST	18.6	26.5	28.6	49.9	59.3	67.6	67.8	62.7	58.2	41.2	33.4	23.3	44.8
Bottineau	14.8	22.0	24.9	48.5	58.9	66.6	67.2	61.9	57.4	39.7	32.9	20.2	42.9
Drake	19.5	26.5	28.7	53.0	61.3	69.6	70.1	64.9	59.3	42.6	35.6	23.5	46.2
Granville	19.4	26.9	28.1	51.4	61.6	69.8	69.3	M	59.4	42.6	34.8	24.9	45.9
Leeds	13.9	21.9	22.5	48.0	57.5	66.8	68.4	62.8	56.6	39.2	33.3	19.9	42.6
Rolla	16.0	21.6	23.7	46.1	56.5	65.7	65.7	61.0	56.3	38.8	31.9	19.7	41.9
Rugby	18.1	24.7	28.0	52.0	61.3	70.0	70.9	65.7	58.9	41.2	34.9	22.0	45.6
Upham	16.0	22.9	26.7	50.8	59.5	66.9	67.5	62.0	56.4	39.6	31.9	20.6	43.4
Westhope	17.9	23.3	27.6	51.0	60.4	68.9	68.3	62.7	58.1	41.6	32.7	21.3	44.5
Willow City	15.3	22.5	25.2	49.0	59.2	66.6	67.0	62.6	57.0	39.5	32.8	20.5	43.1
NORTH CENTRAL	16.7	23.6	26.0	49.9	59.6	67.8	68.3	63.0	57.8	40.5	33.4	21.4	44.0
Devils Lake	17.5	24.0	24.5	49.6	58.5	68.0	69.6	65.5	58.6	41.2	33.7	20.6	44.3
Edmore	12.9	20.9	23.1	49.4	59.2	66.3	67.8	63.0	58.6	40.3	32.5	17.5	42.6
Grafton	14.4	24.3	26.9	52.8	62.8	69.9	71.1	66.8	61.0	43.2	34.6	21.1	45.7
Grand Forks FAA AP	15.0	24.2	26.6	50.3	60.5	66.8	71.0	64.7	58.1	40.5	31.7	17.7	43.9
Langdon Exp. Farm	11.4	19.5	21.4	46.7	56.5	64.7	66.0	61.7	55.4	37.5	31.0	17.1	40.7
Park River	15.4	23.8	26.6	51.3	61.2	69.5	70.2	66.5	60.6	42.7	34.0	19.7	45.1
Pembina	9.5	19.6	22.0	47.2	57.6	64.7	67.2	63.5	56.6	38.0	30.2	17.5	41.1
Petersburg	12.9	21.3	22.8	48.1	57.3	66.1	67.7	63.4	57.0	38.9	32.0	17.8	42.1
NORTHEAST	14.1	22.3	24.5	49.8	59.4	67.4	69.2	64.6	58.4	40.6	32.7	19.0	43.5
Beulah	23.2	29.1	31.1	53.3	62.1	69.2	72.0	65.1	59.2	43.4	35.5	24.1	47.3
Center	23.4	28.8	27.9	49.6	58.1	M	69.7	64.7	57.4	41.6	35.6	25.5	45.9
Dunn Center	24.4	29.7	31.4	52.5	61.1	68.6	70.1	65.5	60.8	43.8	36.9	25.6	47.5
Turtle Lake	18.7	24.9	25.7	49.0	58.1	67.1	68.0	63.9	57.9	40.6	34.4	23.3	44.3
Underwood	21.6	27.3	28.7	52.7	61.3	69.2	70.3	65.3	60.6	43.4	36.7	24.3	46.8
Watford City	24.6	30.7	33.0	53.7	61.9	66.9	68.8	62.0	56.2	40.6	33.4	21.5	46.1
WEST CENTRAL	21.9	27.7	29.0	51.3	60.0	68.5	70.0	64.3	58.8	42.3	35.7	24.5	46.2
Carrington	18.6	25.3	27.5	50.3	58.5	68.3	70.3	65.7	59.7	41.4	33.7	22.4	45.1
Fessenden	18.4	25.5	27.9	53.2	M	68.9	70.5	65.6	M	42.6	35.1	23.4	45.9
Hurdsfield	16.7	23.5	24.4	47.6	56.9	66.6	68.5	62.7	56.8	39.6	33.0	22.0	43.2
Jamestown FAA Airport	21.3	28.8	29.4	54.1	63.7	71.1	M	67.9	62.3	45.0	36.2	23.3	47.8
Pettibone	17.2	25.4	26.6	M	60.8	68.8	71.2	65.1	58.7	41.8	33.9	22.3	45.3
Tuttle	18.2	25.4	26.0	49.7	59.3	67.6	69.6	64.0	58.4	41.2	35.0	23.1	44.8
CENTRAL	18.8	26.1	27.3	51.7	60.7	68.6	70.7	65.3	59.5	42.3	34.7	22.7	45.7
Casselton Agronomy Farm	19.5	26.8	30.0	49.7	60.0	68.6	73.0	66.7	M	41.4	34.2	M	45.7
Colgate	16.3	23.8	M	49.3	58.6	66.2	70.2	64.7	58.5	41.6	31.9	18.4	44.0
Cooperstown	17.0	24.9	26.6	51.1	60.8	69.0	71.7	65.5	59.7	42.9	33.7	19.5	45.2
Fargo WSO AP	18.2	27.5	31.4	51.5	61.7	69.1	74.0	66.8	59.6	42.6	33.4	20.6	46.4
Mayville	17.5	26.0	29.5	53.0	62.0	70.4	73.8	67.4	61.3	43.6	33.8	19.7	46.5
Sharon	15.0	23.2	25.4	51.4	60.3	68.5	70.4	65.6	60.0	42.3	33.5	18.6	44.5
Valley City	18.3	26.4	27.4	48.3	58.6	66.7	70.3	63.9	56.4	41.7	32.9	20.4	44.3
EAST CENTRAL	17.5	25.7	28.4	50.6	60.4	68.4	72.0	65.8	59.2	42.3	33.2	19.4	45.2
Amidon	23.9	30.7	29.8	48.8	57.5	65.9	68.1	62.9	58.2	M	37.1	25.1	45.9
Bowman (Courthouse)	24.4	30.2	29.1	48.2	58.5	66.6	69.5	63.8	58.1	43.0	36.9	26.2	46.2
Dickinson Exp. Station	22.3	28.6	28.1	48.0	56.8	65.8	68.6	62.2	56.3	41.0	33.9	22.5	44.5
Fairfield	22.7	29.3	29.4	50.0	58.8	66.7	68.6	61.8	57.7	41.4	34.9	23.7	45.4
Hettinger	24.6	29.1	28.8	49.3	58.4	66.7	70.6	64.0	57.7	42.2	37.5	25.5	46.2
Medora	25.8	32.5	33.8	52.7	61.7	69.6	70.2	66.2	60.3	46.2	38.1	26.9	48.7
Mott	23.5	28.5	28.6	49.0	58.7	67.5	70.5	64.9	57.7	41.6	36.4	24.4	45.9
Richardton (Abbey)	25.3	29.6	30.1	52.0	60.8	68.9	70.7	64.5	59.3	43.5	37.0	25.6	47.3
SOUTHWEST	24.2	29.9	29.9	50.0	59.0	67.3	69.9	63.9	58.5	42.9	36.6	25.2	46.4
Bismarck WFSO AP	21.8	28.1	27.9	51.2	59.8	68.2	72.4	64.9	58.7	42.0	34.5	24.1	46.1
Carson	23.1	27.8	27.4	50.2	59.0	67.0	69.8	64.5	58.2	41.8	35.5	24.5	45.7
Fort Yates	26.6	32.5	30.0	54.8	64.6	72.9	77.2	70.8	63.7	47.6	39.2	28.2	50.7
Moffit	21.7	28.8	27.7	53.2	61.3	69.8	73.3	67.5	61.6	44.7	36.2	24.9	47.6
New Salem	23.3	27.8	28.8	52.6	60.7	68.0	71.5	64.5	59.8	43.4	36.4	24.2	46.8
Wilton	19.3	25.6	25.8	49.2	57.6	66.5	67.6	62.4	57.8	41.0	35.3	23.3	44.3
SOUTH CENTRAL	23.2	28.4	28.0	51.7	60.1	68.2	71.6	65.4	59.3	42.6	35.7	24.6	46.6
Ashley	20.1	27.6	26.7	49.1	59.0	68.0	72.3	64.9	58.9	41.0	34.4	23.0	45.4
Ellendale	22.8	30.3	32.6	52.8	61.7	69.2	73.6	66.8	60.3	M	M	M	47.4
Forman	19.9	28.7	30.9	51.0	61.3	69.3	73.8	67.7	60.4	42.1	33.4	22.3	46.7
Fullerton	21.8	30.1	31.2	52.9	62.6	69.4	73.5	66.0	58.8	42.8	34.1	23.2	47.2
Hankinson	19.3	29.2	31.1	51.6	61.0	70.1	72.9	67.5	60.0	42.9	33.7	22.8	46.8
Lisbon	20.8	27.9	29.3	49.9	60.2	68.8	73.4	66.5	58.6	41.0	32.1	22.5	45.9
McLeod	20.3	28.9	32.1	52.2	63.8	71.1	75.4	67.4	59.9	44.2	33.8	21.6	47.6
Napoleon	18.7	26.0	26.0	49.1	58.7	68.7	71.7	65.0	59.0	41.3	34.1	22.8	45.1
Wahpeton	20.0	29.1	33.2	53.5	64.2	71.9	75.8	68.7	61.5	44.4	35.1	22.0	48.3
Wishek	18.9	26.7	26.5	48.5	58.3	66.2	69.5	63.5	57.3	40.6	33.3	22.8	44.3
SOUTHEAST	20.0	28.2	29.7	51.1	61.0	69.2	73.1	66.1	59.3	42.1	33.8	22.4	46.3
STATE	20.1	26.6	30.4	51.6	60.9	68.3	69.7	64.0	56.9	41.9	34.4	22.5	45.4

Underlined figures are partially estimated. M - Missing. 1/ Preliminary data. Source: National Climatic Data Center.

WEATHER DATA

MONTHLY PRECIPITATION BY STATIONS AND DISTRICTS, NORTH DAKOTA, 1987 1/

Districts and Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	- - - - Inches - - - -												
Crosby	.18	.31	1.22	.12	1.93	1.97	4.24	.30	.82	.25	.17	.02	11.53
Foxholm	.16	.67	1.83	T	1.34	1.52	3.94	1.09	M	T	.27	T	11.68
Grenora	.10	.04	1.36	.44	2.56	1.21	3.47	.25	.72	.08	.18	T	10.41
Kenmare	.34	.88	1.66	.10	1.30	1.25	4.17	.77	.99	.04	.16	T	11.66
Minot Exp. Station	.34	.75	2.45	.05	2.19	1.38	4.75	3.33	.60	T	.05	.01	15.90
Mohall	.40	.87	1.95	.08	1.59	2.12	6.52	2.38	.93	.05	.20	.05	17.14
Powers Lake	.30	.55	1.64	.12	1.82	.91	3.40	2.02	1.22	.20	.25	T	12.43
Stanley	.33	.47	2.03	.26	2.18	2.14	6.46	1.83	1.24	.26	.30	.17	17.67
Williston WSO AP	.32	.19	1.70	.29	2.02	.71	4.97	.47	.65	.11	.18	.07	11.68
NORTHWEST	.25	.58	1.71	.14	1.94	1.47	4.61	1.52	.86	.09	.19	.03	13.39
Bottineau	.43	.54	1.40	.02	1.67	2.67	6.96	1.62	.51	.29	.23	.13	16.47
Drake	.29	.84	.49	.17	2.09	1.38	5.29	2.07	.33	.02	.13	.05	13.15
Granville	.50	1.23	2.18	.11	2.54	2.79	7.48	M	.30	.04	.32	.05	20.49
Leeds	.38	1.16	.62	.00	2.22	2.11	5.49	2.16	1.37	.16	.05	1.06	16.78
Rolla	.37	1.14	1.16	.05	1.55	2.08	5.41	4.01	1.00	.24	.15	.22	17.38
Rugby	M	.00	.23	.20	1.78	1.42	7.75	2.54	.39	.00	.00	.00	14.65
Upham	.33	.84	1.39	.14	1.78	2.20	5.06	2.28	.66	.03	.12	.02	14.85
Westhope	.14	.55	1.25	.14	1.26	2.67	6.06	4.02	.67	.03	.22	.06	17.07
Willow City	.33	.71	1.50	.06	1.50	2.78	6.43	5.77	.46	.04	.03	.03	19.64
NORTH CENTRAL	.34	.88	1.26	.09	1.82	2.18	5.98	2.95	.62	.09	.14	.17	16.52
Devils Lake	.47	1.41	.74	.21	3.15	2.52	4.52	3.14	.80	.26	.09	.66	17.97
Edmore	.15	1.30	.36	T	2.28	2.21	4.52	2.27	1.55	.21	.11	.44	15.40
Grafton	1.22	.99	M	.01	3.00	3.36	4.81	1.23	.45	.36	.38	.25	16.86
Grand Forks FAA AP	.52	1.54	.54	.28	3.76	1.66	5.84	3.59	1.86	.32	.50	.37	20.78
Langdon Exp. Farm	.24	1.47	.54	.01	2.13	2.43	6.78	2.85	2.85	.39	.05	.39	20.13
Park River	.54	2.02	.81	.06	3.47	2.73	5.47	1.77	1.15	.31	.25	.26	18.84
Pembina	.38	1.13	.66	T	3.54	2.79	3.98	.79	1.35	.55	.35	.20	15.72
Petersburg	.66	2.05	2.07	.09	3.75	3.20	6.84	3.04	.51	.20	.12	.97	23.50
NORTHEAST	.48	1.38	.80	.10	3.03	2.55	5.72	2.63	1.25	.34	.20	.50	18.98
Beulah	T	.30	4.40	.18	2.91	1.44	4.77	3.49	.89	.00	.00	T	18.38
Butte	.23	.72	.80	T	4.10	2.16	6.33	3.07	.33	.00	.05	.00	17.79
Center	M	.00	1.02	T	2.99	1.69	3.70	3.19	.48	.04	.06	T	13.35
Dunn Center	.23	.44	.94	.08	2.04	1.56	5.39	2.68	.31	.18	.22	.06	14.13
Max	.39	.61	2.00	.03	2.65	1.54	6.68	1.90	.67	T	.06	T	16.53
Turtle Lake	.28	1.06	1.31	.06	3.98	1.49	4.41	2.93	.47	.04	T	.12	16.15
Underwood	.25	.89	1.88	.19	4.67	2.40	5.47	2.97	.70	.11	.10	.09	19.72
Washburn	.07	.84	1.81	.11	3.71	1.97	4.31	3.56	.75	.10	.03	.06	17.32
WEST CENTRAL	.18	.58	1.73	.13	2.85	1.63	5.27	2.44	.64	.08	.10	.04	15.67
Carrington	.33	1.72	.99	.08	3.57	2.07	8.36	2.43	1.74	.07	.10	.24	21.70
Fessenden	.33	1.06	.64	.06	M	4.67	5.78	2.03	M	T	T	.51	19.43
Hurdsfield	.29	.88	.63	.03	2.74	1.21	3.24	2.87	.79	.03	.04	.19	12.94
Jamestown FAA AP	.18	1.08	.80	.00	3.89	1.72	M	1.64	.67	.10	.13	.31	16.22
Pettibone	.56	1.53	.91	M	3.44	3.14	3.29	2.73	.60	.00	.22	.34	16.79
Tuttle	.30	1.13	.79	.07	2.52	1.79	7.30	3.54	.46	.12	.06	.32	18.40
CENTRAL	.34	1.13	.74	.03	3.41	2.27	5.70	2.64	.94	.07	.13	.34	17.74
Casselton Agronomy Farm	.23	.69	1.09	T	3.16	2.33	3.09	3.29	M	.13	.61	M	16.69
Colgate	.18	.54	M	.04	3.99	1.30	4.20	3.66	1.78	.06	.44	.35	17.47
Cooperstown	.41	1.41	1.38	.03	4.01	2.00	7.11	3.80	.99	.06	.18	.59	21.97
Fargo WSO AP	.27	.86	.49	.12	3.46	.66	2.86	3.23	1.70	.18	.48	.69	15.00
Mayville	.44	1.32	.74	.28	3.62	1.48	10.79	3.73	1.90	.04	.44	1.06	25.84
Sharon	.58	1.69	1.24	.01	3.49	1.67	10.06	3.60	.90	.08	.18	.94	24.44
Valley City	.33	.78	1.21	.25	4.01	2.89	2.91	3.08	1.06	.17	.23	.40	17.32
EAST CENTRAL	.31	1.03	.93	.16	3.75	1.94	6.39	3.47	1.43	.09	.34	.64	20.48
Amidon	.26	.25	2.04	.10	3.07	1.83	6.31	3.43	1.29	.04	.17	.06	18.85
Bowman (Courthouse)	.19	.21	1.54	.18	3.42	1.33	3.77	2.20	.97	.18	.12	.13	14.24
Dickinson Exp. Station	.11	.49	2.06	.18	1.87	2.32	4.84	2.83	.86	.17	.13	T	15.86
Fairfield	.10	.29	1.08	.10	1.88	1.26	5.15	1.92	.55	.16	.15	.02	12.66
Hettinger	.04	.68	1.85	.11	4.37	1.07	3.35	1.36	1.51	.15	.18	.06	14.73
Medora	.13	.23	1.85	.05	2.60	.91	7.54	4.08	.56	.30	.18	T	18.43
Mott	T	.67	2.51	.01	4.11	1.07	2.40	1.46	.79	.47	.12	.02	13.63
Richardton (Abbey)	.06	.54	1.84	.15	2.97	2.01	4.79	4.49	.44	.13	.19	.07	17.68
SOUTHWEST	.10	.36	1.88	.11	2.99	1.54	4.63	2.56	.86	.21	.15	.05	15.44
Bismarck WSFO AP	.14	1.65	1.34	.13	4.19	1.52	4.59	3.03	.29	.10	.02	.13	17.13
Carson	T	.85	1.93	.05	3.78	1.58	4.34	1.44	.33	.16	.04	.03	14.53
Fort Yates	.20	1.83	1.16	.09	4.42	.68	4.36	1.23	.56	.17	.18	.04	14.92
Moffit	.05	1.03	.46	.07	4.53	2.24	3.17	1.57	.40	T	.13	.22	13.87
New Salem	.22	1.04	1.82	.08	4.08	1.49	5.67	3.55	.63	.04	.02	.09	18.73
Pretty Rock	.01	1.24	2.47	T	3.64	1.34	4.48	1.22	.62	.43	.13	.19	15.77
Wilton	.12	1.03	1.52	.46	3.16	1.55	4.48	2.99	.60	.13	.01	.09	16.14
SOUTH CENTRAL	.11	1.14	1.57	.13	3.83	1.47	4.32	2.34	.47	.14	.09	.11	15.72
Ashley	.27	1.60	.87	T	3.17	2.64	3.73	3.44	.71	.05	.43	.18	17.09
Ellendale	T	1.12	1.44	.00	3.53	.84	4.54	2.96	.65	M	M	M	15.89
Forman	.05	.88	1.48	.39	1.77	.79	4.85	1.53	2.43	.19	.69	.36	15.41
Fullerton	.06	1.51	1.80	.00	3.65	.96	2.83	2.61	.63	.00	.58	.23	14.86
Hankinson	.50	.84	1.45	.46	2.81	.45	4.32	1.60	2.27	.50	.51	.65	16.36
Lisbon	.08	.47	1.59	.21	2.86	.48	4.39	2.38	1.94	.16	.64	.12	15.32
McLeod	.30	.87	.65	.04	2.21	.62	2.44	1.23	1.68	.20	.70	.18	11.12
Napoleon	.59	1.46	1.37	.10	3.63	1.54	4.52	1.27	.44	.07	.33	.05	15.37
Wahpeton	.21	.57	1.25	.31	3.30	1.29	4.04	.68	2.57	.55	.48	.32	15.57
Wishek	.00	.00	.85	.15	3.17	2.90	3.59	3.35	.52	T	.40	.22	15.15
SOUTHEAST	.23	1.09	1.30	.13	3.20	1.24	3.92	2.23	1.22	.13	.45	.23	15.37
STATE	.26	.91	1.32	.11	2.98	1.81	5.17	2.53	.92	.14	.20	.23	16.58

Underlined figures are partially estimated. M - Missing. T - Trace. 1/ Preliminary data. Source: National Climatic Data Center.

WEATHER DATA

LONG-TERM PRECIPITATION BY MONTHS AND STATIONS,
North Dakota, 1951-80 (Inches)

District and Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Crosby	.40	.39	.43	1.30	2.00	2.71	2.04	1.99	1.78	.84	.40	.43	14.71
Foxholm	.46	.40	.47	1.54	2.12	3.49	1.99	2.04	1.79	.81	.50	.45	16.06
Grenora	.43	.41	.46	1.28	2.06	2.93	2.12	1.79	1.50	.75	.43	.43	14.59
Kenmare	.53	.48	.60	1.46	2.11	3.10	1.85	1.82	1.83	.81	.41	.44	15.44
Minot Exp. Station	.58	.53	.61	1.90	2.25	3.13	2.18	2.02	1.98	.87	.59	.54	17.18
Mohall	.44	.40	.47	1.35	2.24	3.36	2.22	2.29	1.82	.96	.41	.40	16.36
Parshall	.34	.35	.42	1.39	2.24	3.66	2.16	1.98	2.01	.73	.39	.36	16.03
Powers Lake	.35	.35	.49	1.31	2.07	3.14	2.14	1.96	1.85	.82	.37	.33	15.18
Williston WSO	.55	.50	.57	1.29	1.85	2.68	1.83	1.42	1.37	.74	.50	.55	13.85
NORTHWEST	.47	.44	.53	1.43	2.16	3.13	2.06	1.94	1.79	.90	.45	.45	15.75
Bottineau	.47	.41	.57	1.31	2.15	3.31	2.80	2.87	1.96	.99	.48	.46	17.78
Drake	.42	.35	.66	1.47	2.18	3.39	2.71	2.12	1.86	.93	.55	.45	17.09
Granville	.45	.42	.61	1.55	2.17	3.30	1.95	2.42	1.76	.85	.44	.46	16.38
Leeds	.73	.46	.87	1.43	2.18	3.28	2.47	2.17	1.73	.88	.61	.60	17.41
Rolla	.51	.49	.66	1.20	2.25	3.44	2.82	2.92	1.97	.84	.53	.52	18.15
Rugby	.59	.43	.64	1.29	1.93	3.14	2.56	2.61	1.79	.86	.50	.50	16.84
Upham	.46	.41	.49	1.36	2.11	3.08	2.15	2.41	1.77	.88	.48	.48	16.08
Westhope	.47	.38	.52	1.19	1.96	3.04	2.13	2.31	1.86	.90	.43	.47	15.66
Willow City	.46	.38	.53	1.20	1.84	2.88	2.28	2.50	1.77	.82	.40	.43	15.49
NORTH CENTRAL	.49	.41	.61	1.33	2.11	3.19	2.49	2.51	1.82	.89	.48	.48	16.81
Devils Lake	.55	.45	.76	1.00	2.18	3.32	2.21	2.11	1.88	.88	.63	.55	16.52
Edmore	.45	.30	.48	1.18	2.20	2.95	2.80	2.54	1.88	1.04	.41	.33	16.56
Grafton	.59	.44	.74	1.52	2.19	3.25	2.54	2.56	2.06	1.08	.66	.53	18.16
Grand Forks FAA AP	.76	.51	.77	1.34	1.95	2.89	2.86	2.62	2.04	1.11	.80	.64	18.29
Hannah	.44	.43	.54	1.13	2.27	3.05	2.68	2.91	2.01	1.01	.56	.45	17.48
Langdon Exp. Farm	.59	.42	.72	1.33	2.44	2.97	2.99	3.01	1.97	1.12	.65	.51	18.72
Park River	.52	.36	.66	1.70	2.32	3.40	2.66	2.45	2.02	1.09	.58	.49	18.25
Pembina	.50	.41	.69	1.33	2.42	2.86	2.90	2.65	2.19	1.09	.55	.51	18.10
Petersburg	.59	.36	.78	1.34	2.19	3.34	2.73	2.54	2.06	1.08	.72	.45	18.18
NORTHEAST	.55	.41	.71	1.33	2.24	3.13	2.77	2.65	2.05	1.06	.62	.51	18.03
Butte	.42	.39	.54	1.41	1.96	3.17	2.32	1.96	1.78	.78	.43	.39	15.55
Center	.51	.54	.75	1.64	2.45	3.34	2.64	1.99	1.73	.91	.65	.59	17.74
Dunn Center	.40	.48	.60	1.60	2.35	3.69	2.17	2.05	1.65	.87	.51	.39	16.76
Garrison	.41	.48	.57	1.40	1.89	3.17	2.01	1.78	1.60	.68	.42	.46	14.87
Max	.44	.54	.65	1.70	2.17	3.77	2.44	2.18	1.74	.83	.57	.47	17.50
Turtle Lake	.61	.50	.69	1.64	2.11	3.70	2.31	2.08	1.76	.86	.50	.56	17.32
Wilton	.47	.39	.59	1.55	2.59	3.93	2.66	2.08	1.65	.93	.42	.41	17.67
WEST CENTRAL	.45	.44	.56	1.52	2.26	3.53	2.34	1.91	1.70	.81	.49	.45	16.46
Carrington	.61	.50	.75	1.59	2.49	3.77	2.54	2.12	1.69	.98	.63	.51	18.18
Fessenden	.61	.54	.74	1.48	2.49	3.49	2.50	2.24	1.76	1.00	.56	.57	17.98
Jamestown FAA Airport	.60	.58	.79	1.52	2.32	3.59	3.02	2.12	1.61	.94	.52	.51	18.12
McClusky	.55	.46	.67	1.61	2.16	3.99	2.35	2.03	1.64	.86	.52	.57	17.41
Pettibone	.41	.35	.59	1.48	2.37	3.44	2.52	2.03	1.72	.96	.44	.38	16.69
Tuttle	.46	.35	.62	1.48	2.65	3.70	2.30	1.91	1.77	.79	.42	.38	16.83
CENTRAL	.49	.43	.64	1.51	2.38	3.62	2.63	2.15	1.72	.96	.51	.46	17.50
Colgate	.40	.27	.60	1.50	2.26	3.24	2.64	2.64	2.00	1.12	.51	.40	17.58
Cooperstown	.51	.37	.70	1.48	2.37	3.57	3.05	2.60	2.23	1.15	.71	.54	19.28
Fargo WSO	.55	.42	.83	1.90	2.24	3.06	3.34	2.67	1.87	1.29	.79	.63	19.59
Hillsboro	.43	.39	.75	1.71	2.21	3.73	3.22	2.68	2.16	1.36	.65	.53	19.82
Mayville	.65	.50	.82	1.54	2.24	3.46	2.48	2.57	2.12	1.25	.68	.65	18.96
Sharon	.55	.42	.83	1.64	2.54	3.43	2.93	2.55	2.40	1.17	.71	.52	19.69
Valley City	.49	.44	.71	1.61	2.35	3.52	2.74	2.36	1.95	1.07	.64	.55	18.43
EAST CENTRAL	.51	.40	.76	1.69	2.37	3.48	2.94	2.58	2.10	1.23	.68	.55	19.29
Amidon	.37	.37	.54	1.53	2.54	3.85	2.23	1.49	1.41	.74	.42	.39	15.88
Bowman	.33	.42	.52	1.47	2.43	3.68	2.11	1.63	1.41	.76	.42	.35	15.53
Dickinson Exp. Station	.34	.40	.57	1.73	2.53	3.69	2.08	1.86	1.51	.85	.45	.34	16.35
Fairfield	.34	.35	.48	1.44	2.45	3.60	1.99	1.84	1.64	.77	.46	.31	15.67
Hettinger	.31	.33	.49	1.68	2.76	3.64	2.04	1.77	1.43	.85	.42	.27	15.99
Medora	.43	.42	.57	1.41	2.40	3.53	1.96	1.45	1.42	.75	.50	.38	15.22
Mott	.39	.40	.57	1.65	2.55	3.80	1.99	1.80	1.42	.70	.46	.36	16.09
Richardton	.47	.54	.76	1.81	2.77	3.78	2.35	1.81	1.55	.81	.56	.45	17.66
SOUTHWEST	.39	.43	.58	1.54	2.48	3.62	2.09	1.69	1.46	.84	.48	.38	15.98
Bismarck WSO	.51	.45	.70	1.51	2.23	3.01	2.05	1.69	1.38	.81	.51	.51	15.36
Carson	.33	.40	.60	1.85	2.68	3.62	2.39	1.89	1.38	.84	.43	.36	16.77
Fort Yates	.33	.36	.58	1.55	2.32	2.80	1.73	1.61	1.33	.83	.34	.33	14.11
Linton	.51	.45	.79	1.85	2.57	3.56	2.33	1.67	1.53	.91	.55	.53	17.25
New Salem	.47	.48	.72	1.70	2.34	3.62	2.20	2.18	1.48	.84	.52	.47	17.02
Shields	.33	.34	.66	1.70	2.39	3.16	2.05	1.94	1.32	.83	.43	.31	15.46
SOUTH CENTRAL	.41	.40	.61	1.64	2.46	3.47	2.18	1.89	1.46	.83	.46	.40	16.21
Ashley	.37	.38	.70	1.51	2.09	3.61	2.51	2.24	1.54	.95	.41	.36	17.27
Ellendale	.45	.52	.69	2.14	3.04	4.01	2.50	2.28	1.89	1.14	.57	.43	19.66
Forman	.55	.51	.87	2.03	2.76	3.78	2.77	2.59	1.82	1.06	.74	.49	19.97
Fullerton	.62	.60	.96	2.29	2.95	3.86	2.54	2.56	1.88	1.20	.76	.53	20.83
Hankinson R.R. Station	.55	.57	.78	2.05	2.62	4.03	2.74	2.59	1.96	1.19	.71	.57	20.36
Lisbon	.47	.47	.77	1.98	2.60	3.71	2.77	2.98	1.83	1.19	.69	.59	20.05
McLeod	.46	.42	.73	1.54	2.40	3.44	3.00	3.01	1.82	1.17	.77	.49	19.25
Napoleon	.45	.39	.76	1.55	2.57	3.19	2.83	2.06	1.73	.93	.53	.43	17.42
Wahpeton	.62	.47	.79	2.14	2.88	4.09	3.21	2.88	2.00	1.25	.77	.62	21.72
Wishek	.46	.46	.78	1.73	2.64	3.53	2.62	2.14	1.48	.88	.47	.45	17.61
SOUTHEAST	.48	.49	.79	1.93	2.70	3.75	2.74	2.52	1.83	1.11	.62	.48	19.44
STATE	.47	.43	.64	1.55	2.35	3.44	2.47	2.20	1.77	.96	.53	.46	17.27

Source: National Climatic Data Center

WEATHER DATA

LONG-TERM MEAN TEMPERATURES BY MONTHS AND STATIONS,
North Dakota, 1951–80 (Degrees F)

District and Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Crosby	5.0	12.8	23.6	40.8	53.9	62.9	68.7	66.9	56.1	44.7	26.5	13.5	39.6
Foxholm	6.0	13.4	24.1	41.2	54.4	63.5	69.2	67.5	56.8	46.0	28.1	14.5	40.4
Grenora	6.2	14.3	24.8	41.2	53.9	62.9	68.8	67.1	56.2	45.3	27.3	14.7	40.2
Kenmare	4.1	11.4	21.8	39.1	52.7	62.1	68.0	65.8	54.6	43.6	26.3	13.2	38.6
Minot Exp. Station	4.5	11.6	22.5	40.2	53.5	63.0	68.6	66.9	55.7	44.5	26.6	13.3	39.2
Mohall	2.7	10.3	21.8	40.1	53.1	62.6	68.0	66.1	55.0	43.7	26.1	12.0	38.5
Parshall	5.8	13.2	24.4	41.1	53.9	63.0	68.9	67.2	56.2	45.1	27.2	14.3	40.0
Powers Lake	2.4	10.1	20.7	38.3	51.4	60.8	66.6	65.0	53.8	42.5	24.6	11.7	37.3
Williston WSO	6.6	14.6	25.3	41.8	54.5	63.8	70.0	68.1	56.6	45.1	27.6	14.9	40.8
NORTHWEST	5.1	12.3	23.0	40.3	53.3	62.5	68.4	66.5	55.4	44.4	26.5	13.5	39.3
Bottineau	-.2	7.4	19.3	38.9	52.7	62.1	67.4	65.7	54.2	42.9	23.9	9.0	36.9
Drake	3.7	10.6	21.9	40.0	53.7	63.2	69.0	67.2	55.8	44.8	26.5	12.7	39.1
Granville	4.6	12.3	23.6	41.3	54.3	63.5	69.4	67.7	56.7	45.6	27.6	13.3	40.0
Leeds	2.1	9.4	21.4	40.2	53.6	63.4	68.4	66.4	55.4	44.2	25.9	10.9	38.4
Rolla	1.8	9.2	20.1	38.2	52.0	61.4	66.7	64.8	53.7	43.1	24.7	10.2	37.2
Rugby	3.9	11.2	23.0	41.7	55.4	65.0	70.2	68.4	57.1	46.0	27.2	12.6	40.1
Upham	1.5	9.1	21.0	40.4	53.9	63.2	68.4	66.4	55.2	43.8	25.5	10.4	38.2
Westhope	1.5	9.2	21.2	40.2	53.8	62.8	67.8	66.1	55.0	43.9	25.0	10.4	38.1
Willow City	.0	7.5	19.7	39.3	52.7	62.3	67.5	65.2	54.0	42.8	24.4	9.2	37.1
NORTH CENTRAL	2.7	9.9	21.5	40.0	53.6	62.9	68.2	66.3	55.2	44.2	25.8	11.2	38.5
Devils Lake	2.3	9.7	21.7	40.0	53.9	63.6	69.1	67.1	56.0	44.8	26.4	11.2	38.8
Edmore	.2	7.6	20.0	39.0	52.6	62.0	67.0	65.3	54.5	43.1	24.5	9.2	37.1
Grafton	2.2	9.5	22.3	41.2	55.4	64.5	69.3	67.8	57.4	46.0	26.9	10.7	39.4
Grand Forks FAA AP	2.2	9.3	22.1	40.7	54.4	63.9	68.8	66.9	56.2	44.9	26.5	11.1	38.9
Hannah	-1.1	6.0	18.1	37.6	52.0	61.6	66.0	64.0	53.7	42.7	23.6	7.8	36.0
Langdon Exp. Farm	-.5	7.0	19.2	38.3	52.4	61.7	66.4	64.8	54.3	43.1	24.0	8.3	36.6
Park River	3.8	11.0	23.2	41.4	55.5	65.0	70.2	68.4	58.1	46.8	27.8	12.2	40.3
Pembina	-.9	6.2	19.4	39.6	53.8	63.4	68.3	66.1	55.9	44.6	25.5	8.9	37.6
Petersburg	1.3	8.1	20.3	38.8	52.9	62.4	67.4	65.5	54.5	43.4	25.0	9.7	37.4
NORTHEAST	1.4	8.7	21.1	39.8	53.8	63.3	68.2	66.3	55.7	44.5	25.8	10.2	38.2
Butte	5.8	12.7	23.7	41.2	54.6	64.2	70.0	68.4	57.0	45.8	27.6	14.2	40.4
Center	7.4	14.7	25.2	41.4	54.2	63.4	69.2	67.7	56.4	45.6	28.4	15.8	40.8
Dunn Center	7.4	14.6	23.9	40.2	53.2	62.6	69.0	67.7	56.3	45.2	28.1	15.9	40.3
Garrison	5.3	12.2	23.0	40.3	53.2	62.7	68.9	67.5	56.0	44.8	27.3	14.4	39.6
Max	4.2	11.1	22.0	39.7	52.9	62.5	68.4	66.4	55.0	43.7	26.0	12.8	38.7
Turtle Lake	6.3	13.6	24.8	41.9	55.0	64.4	70.3	68.8	57.5	46.2	28.0	14.8	41.0
Washburn	7.8	15.6	26.3	42.9	55.5	65.0	70.9	69.4	58.2	47.0	29.5	16.2	42.0
WEST CENTRAL	6.9	14.2	24.7	41.3	54.2	63.5	69.6	68.1	56.8	45.6	28.2	15.5	40.7
Carrington	3.9	10.6	21.9	39.4	52.9	62.6	68.1	66.2	55.2	44.5	26.6	12.4	38.7
Fessenden	5.4	12.6	24.4	41.9	55.1	64.4	69.9	68.3	57.6	46.3	28.0	13.8	40.6
Jamestown FAA Airport	5.4	12.6	24.3	41.4	54.3	64.2	69.9	68.2	56.9	45.6	27.7	13.7	40.4
McClusky	5.5	12.7	24.1	41.3	54.8	64.3	70.3	68.7	57.3	45.6	27.4	13.8	40.5
Pettibone	4.3	11.5	23.4	41.2	54.0	63.6	69.6	68.1	57.0	45.3	27.8	13.0	39.9
Steele	6.5	13.9	25.2	42.4	55.4	64.4	70.1	68.6	57.9	46.7	28.6	14.8	41.2
CENTRAL	5.3	12.1	23.6	41.2	54.4	63.9	69.5	67.9	56.8	45.6	27.5	13.4	40.1
Amenia	5.0	12.4	25.5	43.1	56.5	65.6	70.6	69.2	59.0	47.5	29.0	13.2	41.4
Cooperstown	4.0	11.3	24.0	41.7	55.2	64.5	69.9	68.3	57.5	46.2	27.5	12.5	40.2
Fargo WSO	4.3	11.0	24.0	42.1	55.6	65.2	70.6	68.8	57.8	46.3	28.2	12.7	40.5
Hillsboro	4.7	11.7	24.3	42.5	56.3	65.7	70.9	69.0	58.7	47.2	28.6	13.1	41.1
Mayville	4.3	11.3	24.1	42.2	55.8	65.2	70.2	68.6	58.0	46.8	28.2	13.0	40.6
Sharon	2.8	10.2	22.5	40.5	54.1	63.3	68.3	67.1	56.4	45.3	26.3	11.2	39.0
Valley City	4.9	12.2	24.2	41.4	55.0	64.1	69.4	67.5	56.6	45.6	27.8	13.1	40.2
EAST CENTRAL	4.7	11.5	24.1	41.9	55.5	64.8	70.0	68.4	57.7	46.4	27.9	12.7	40.5
Amidon	12.1	18.8	27.0	41.0	53.0	62.4	69.4	68.4	57.0	46.1	30.0	19.6	42.1
Bowman	12.7	19.1	27.7	41.6	53.6	62.9	69.9	68.4	57.1	46.1	30.0	19.9	42.4
Dickinson Exp. Station	9.3	16.2	25.4	40.5	53.0	62.2	68.6	67.4	55.9	45.0	28.3	17.1	40.7
Hettinger	12.6	19.4	27.8	42.3	54.0	63.5	70.2	68.8	57.2	46.4	30.0	19.5	42.6
Medora	12.0	19.8	28.8	42.9	55.0	64.2	70.6	69.2	57.7	46.2	30.1	19.1	43.0
Mott	10.7	18.1	27.2	41.7	53.8	63.0	69.1	67.6	56.5	45.6	28.8	17.9	41.7
Richardton	10.7	17.9	27.2	42.3	54.8	63.9	70.2	69.0	57.9	46.8	29.8	18.5	42.4
SOUTHWEST	11.2	18.3	27.0	41.6	53.7	63.0	69.6	68.2	56.9	45.8	29.3	18.6	41.9
Bismarck WSO	6.7	14.5	26.0	42.5	54.9	64.3	70.4	68.8	57.3	46.1	28.6	15.4	41.3
Carson	8.1	15.4	25.1	41.0	53.9	63.1	69.7	68.2	56.8	45.5	28.5	16.2	41.0
Fort Yates	10.3	17.4	27.6	43.7	56.4	66.0	72.5	70.8	59.8	48.5	31.4	18.6	43.6
Linton	7.9	15.7	27.3	44.0	56.6	65.9	72.2	70.8	59.3	47.5	29.5	16.0	42.7
Mandan Exp. Station	6.7	13.7	25.0	41.6	54.5	64.0	70.1	68.7	57.2	46.1	28.7	15.4	41.0
New Salem	8.0	15.4	25.5	41.4	54.2	63.5	69.9	68.4	57.3	45.9	28.5	16.2	41.2
SOUTH CENTRAL	8.6	15.6	26.2	42.4	55.0	64.4	70.7	69.2	57.9	46.6	29.3	16.5	41.9
Ashley	7.1	13.8	24.9	41.8	54.2	63.8	69.6	68.2	57.5	46.4	28.6	15.2	40.9
Ellendale	8.2	15.4	27.2	43.8	56.3	65.7	71.4	70.1	59.4	47.8	30.0	16.2	42.6
Forman	6.2	13.6	26.0	43.2	56.2	65.8	71.4	69.8	58.6	47.1	29.6	14.7	41.9
Fullerton	7.2	14.7	26.7	43.6	56.3	65.7	71.3	69.8	58.9	47.5	29.6	15.4	42.2
Hankinson	6.4	12.5	24.5	42.0	55.6	65.5	71.1	69.0	57.8	46.8	29.7	14.9	41.3
Lisbon	7.0	13.8	26.3	43.4	56.1	65.4	70.6	69.0	58.5	47.6	29.8	14.8	41.9
McLeod	6.0	13.1	25.9	43.5	56.7	66.0	71.3	69.6	59.1	47.8	29.4	14.4	41.9
Napoleon	6.1	13.0	24.2	41.6	54.6	64.2	70.2	68.7	57.3	46.0	28.1	14.4	40.7
Wahpeton	6.9	13.7	26.3	44.1	57.6	67.0	72.0	70.1	59.7	48.6	30.5	15.4	42.7
Wishek	4.9	11.4	22.8	40.0	53.0	62.7	68.6	66.8	55.8	44.5	27.0	13.7	39.3
SOUTHEAST	6.6	13.3	25.3	42.5	55.5	65.0	70.7	69.0	58.1	46.8	29.0	14.7	41.4
STATE	5.8	12.9	24.1	41.2	54.3	63.7	69.4	67.8	56.7	45.5	27.7	14.0	40.3

Source: National Climatic Data Center

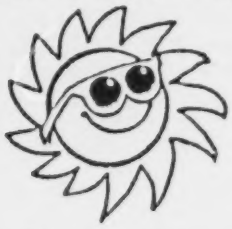
CROPS

NORTH DAKOTA CROP SUMMARY, 1987

THE SEASON IN REVIEW

The 1987 crop season got off to a normal start, but a warm, dry spring quickened the pace and continued throughout the growing season. A relatively dry late summer and fall made for excellent harvesting conditions. Harvesting of most of the State's crops ranged from one to two weeks ahead of normal.

The average date for beginning spring fieldwork was April 17, near the 5-year average. However, a warm, dry early May allowed farmers to virtually complete all small grain planting by June 1 and late season row crops just a week later, all ahead of the 5-year average pace. Early season crop development progressed ahead of normal during June-July as a result of early planting, a hot, dry June and adequate subsoil moisture supplies.



Hot, humid and rainy weather near the end of July promoted small grain crop diseases and weeds and heavy rains and hail damaged crops in the south and east. The condition of small grains were rated mostly fair to good throughout the growing season. Harvest progressed well ahead of average, but yields were hurt by wet conditions in July and August. Completion of the small grain harvest averaged a week ahead of normal and well ahead of the previous year's rain-plagued harvest.

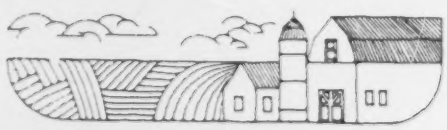
Late season crops developed ahead of normal due to early planting and a warm growing season. Crop conditions were rated mostly good to excellent throughout the growing season and subsoil moisture supplies were favorable. Harvest conditions for late season crops were excellent as dry weather prevailed. All late season crops were harvested nearly two weeks ahead of normal.

ACREAGE & PRODUCTION SUMMARY

Total planted acreage of all estimated crops in 1987 was 20.2 million acres, including hay harvested, down 6 percent from 21.5 million the previous year. Total crop output in North Dakota for 1987 declined 7 percent from the two previous years' record high output. The decline in planted acres resulted because of an increase in the farm program acreage set-aside.

Average yields per acre were down from 1986 for all small grains except hard red spring which was the same and winter wheat that increased. Yields for late season crops increased or stayed the same from 1986 except soybeans and dry edible beans which decreased.

Abandonment for all small grains was near to slightly above normal due to inclement weather. Row crops showed below average abandonment due to an excellent growing season and dry harvesting conditions.



INDEX OF CROP PRODUCTION - NORTH DAKOTA
1978-87 (1967=100)

Year	Grains			Oil Crops	Misc. 1/	Hay	All Crops
	Food	Feed	All				
1978	157	133	150	328	261	152	171
1979	139	94	125	586	213	125	164
1980	98	56	86	274	213	54	104
1981	179	131	165	406	308	104	184
1982	178	133	164	497	244	119	188
1983	107	140	117	388	223	108	143
1984	156	173	162	433	247	108	180
1985	177	193	182	351	276	91	189
1986	161	191	170	359	319	131	189
1987	148	160	152	352	347	116	175

1/ Non-oil sunflower, potatoes, sugarbeets, dry edible beans.

PRINCIPAL CROPS: NORTH DAKOTA AND UNITED STATES

Crop	Acreage Planted		Acreage Harvested		Yield per Acre		UNIT	Production	
	1986	1987	1986	1987	1986	1987		1986	1987
	(000)	(000)	(000)	(000)				(000)	(000)
NORTH DAKOTA									
Corn, Grain			530	500	93.0	93.0	Bu.	49,290	46,500
Silage			300	230	7.5	7.5	Tons	2,250	1,725
All	880	770	830	730			---		
Wheat, Durum	2,600	2,900	2,500	2,850	32.0	26.0	Bu.	80,000	74,100
Spring 1/	6,500	6,200	6,400	6,100	31.0	31.0	Bu.	198,400	189,100
Winter	520	200	480	185	29.0	32.0	Bu.	13,920	5,920
All	9,620	9,300	9,380	9,135	31.2	29.5	Bu.	292,320	269,120
Oats	1,050	1,050	700	700	55.0	52.0	Bu.	38,500	36,400
Barley	3,600	3,000	3,450	2,900	51.0	48.0	Bu.	175,950	139,200
Rye	135	175	125	165	34.0	31.0	Bu.	4,250	5,115
Flaxseed	575	400	545	395	17.5	16.5	Bu.	9,538	6,518
Soybeans	475	480	470	475	35.0	32.5	Bu.	16,450	15,438
Beans, Dry Edible	290	370	280	359	15.5	14.0	Cwt.	4,340	5,026
Sunflower, Oil	1,240	1,200	1,195	1,180	13.5	15.2	Cwt.	16,133	17,936
Non-Oil	220	200	212	195	13.7	14.5	Cwt.	2,904	2,828
All	1,460	1,400	1,407	1,375	13.5	15.1	Cwt.	19,037	20,764
Sugarbeets	164.8	163.3	163.8	161.3	17.9	19.6	Tons	2,932	3,161
Potatoes, Fall	128	130	120	125	180.0	185.0	Cwt.	21,600	23,125
Hay, Alfalfa			1,550	1,600	2.10	1.90	Tons	3,255	3,040
All Other			1,550	1,350	1.40	1.30	Tons	2,170	1,755
All			3,100	2,950	1.75	1.63	Tons	5,425	4,795
Total Acres 2/	21,478	20,188	20,571	19,470					

Crop	Acreage Planted		Acreage Harvested		Yield per Acre		UNIT	Production	
	1986	1987	1986	1987	1986	1987		1986	1987
	(000)	(000)	(000)	(000)				(000)	(000)
UNITED STATES									
Corn, Grain			69,159	59,167	119.3	119.4	Bu.	8,249,864	7,064,143
Silage			6,274	5,872	14.1	14.6	Tons	88,660	85,586
All	76,674	65,706							
Wheat, Durum	2,994	3,341	2,877	3,279	34.0	28.2	Bu.	97,907	92,617
Spring 1/	15,109	13,682	14,641	13,334	32.3	33.7	Bu.	472,230	449,687
Winter	53,965	48,781	43,205	39,317	35.2	39.8	Bu.	1,521,498	1,562,896
All	72,068	65,804	60,723	55,930	34.4	37.6	Bu.	2,091,635	2,105,200
Oats	14,691	17,959	6,860	6,925	56.3	54.0	Bu.	386,356	373,765
Barley	13,059	11,046	12,007	10,027	50.8	52.6	Bu.	610,522	527,010
Rye	2,384	2,498	677	683	28.8	28.9	Bu.	19,522	19,718
Flaxseed	720	470	683	463	16.9	16.1	Bu.	11,538	7,444
Soybeans	60,385	57,415	58,292	56,437	33.3	33.7	Bu.	1,940,101	1,904,712
Beans, Dry Edible	1673.8	1775.6	1495.0	1708.4	15.3	15.4	Cwt.	22,886	26,309
Sunflower, Oil	1,777	1,587	1,716	1,563	13.7	14.7	Cwt.	23,451	23,023
Non-Oil	248	218	239	212	13.8	14.4	Cwt.	3,307	3,059
All	2,025	1,805	1,955	1,775	13.7	14.7	Cwt.	26,758	26,082
Sugarbeets	1231.5	1269.7	1191.2	1255.4	21.1	22.3	Tons	25,162	27,999
Potatoes, Fall	1065.1	1108.0	1036.2	1090.3	307.0	314.0	Cwt.	317,771	342,774
Hay, Alfalfa			26,793	25,485	3.42	3.32	Tons	91,552	84,554
All Other			35,626	35,263	1.80	1.83	Tons	63,977	64,588
All			62,419	60,748	2.49	2.46	Tons	155,529	149,142
Total Acres 2/	308,395	287,604	282,771	262,081					

1/ Spring Wheat other than Durum. 2/ Planted acres include harvested for hay.

June 1988

HISTORIC ESTIMATES, PRINCIPAL CROPS, NORTH DAKOTA, 1978-1987

Crop	Year	Acreage		Unit	Production		Marketing Year Avg. Price	Value of Production	Value per Harvested Acre
		Planted	Harvested		Yield Per Acre	Total			
		(000)				(000)	($/Unit)	(000 Dols.)	(Dols.)
All Wheat	1978	9,760	9,585	Bu.	29.8	286,065	2.84	813,154	84.84
	1979	9,900	9,600	Bu.	26.3	252,235	3.89	981,194	102.21
	1980	11,735	9,620	Bu.	18.7	179,650	4.52	812,018	84.41
	1981	11,825	11,570	Bu.	28.4	328,260	3.58	1,175,171	101.57
	1982	10,525	10,300	Bu.	31.5	324,835	3.48	1,133,906	110.09
	1983	7,370	7,205	Bu.	26.9	194,130	3.78	733,811	101.85
	1984	8,820	8,660	Bu.	32.8	284,190	3.57	1,014,558	117.15
	1985	9,350	8,870	Bu.	36.4	323,255	3.26	1,053,977	118.82
	1986	9,620	9,380	Bu.	31.2	292,320	2.54	742,835	79.19
	1987	9,300	9,135	Bu.	29.5	269,120	2.71	730,393	79.96
Spring Wheat (Other than Durum)	1978	6,300	6,210	Bu.	29.0	180,090	2.80	504,252	81.20
	1979	6,400	6,230	Bu.	26.5	165,095	3.61	595,993	95.67
	1980	7,200	5,700	Bu.	18.5	105,450	4.11	433,400	76.04
	1981	7,200	7,050	Bu.	28.0	197,400	3.63	716,562	101.64
	1982	6,850	6,750	Bu.	31.0	209,250	3.51	734,468	108.81
	1983	5,100	5,000	Bu.	27.0	135,000	3.70	499,500	99.90
	1984	5,450	5,400	Bu.	34.0	183,600	3.51	644,436	119.34
	1985	5,850	5,730	Bu.	37.0	212,010	3.34	708,113	123.58
	1986	6,500	6,400	Bu.	31.0	198,400	2.52	499,968	78.12
	1987	6,200	6,100	Bu.	31.0	189,100	2.60	491,660	80.60
Durum Wheat	1978	3,300	3,240	Bu.	31.5	102,060	2.93	299,036	92.30
	1979	3,330	3,250	Bu.	26.0	84,500	4.41	372,645	114.66
	1980	4,400	3,850	Bu.	19.0	73,150	5.10	373,065	96.90
	1981	4,500	4,410	Bu.	29.0	127,890	3.49	446,336	101.21
	1982	3,500	3,410	Bu.	32.5	110,825	3.42	379,022	111.15
	1983	2,090	2,050	Bu.	26.5	54,325	3.97	215,670	105.20
	1984	2,750	2,710	Bu.	29.0	78,590	3.70	290,783	107.30
	1985	2,750	2,690	Bu.	35.5	95,495	3.16	301,764	112.18
	1986	2,600	2,500	Bu.	32.0	80,000	2.66	212,800	85.12
	1987	2,900	2,850	Bu.	26.0	74,100	3.05	226,005	79.30
Winter Wheat	1978	160	135	Bu.	29.0	3,915	2.52	9,866	73.08
	1979	170	120	Bu.	22.0	2,640	3.32	8,765	73.04
	1980	135	70	Bu.	15.0	1,050	3.66	3,843	54.90
	1981	125	110	Bu.	27.0	2,970	3.41	10,128	92.07
	1982	175	140	Bu.	34.0	4,760	3.31	15,756	112.54
	1983	180	155	Bu.	31.0	4,805	3.45	16,577	106.95
	1984	620	550	Bu.	40.0	22,000	3.16	69,520	126.40
	1985	750	450	Bu.	35.0	15,750	2.80	44,100	98.00
	1986	520	480	Bu.	29.0	13,920	2.16	30,067	62.64
	1987	200	185	Bu.	32.0	5,920	2.15	12,728	68.80
Oats	1978	1,320	1,160	Bu.	54.0	62,640	1.00	62,640	54.00
	1979	1,050	840	Bu.	44.0	36,960	1.17	43,243	51.48
	1980	1,050	450	Bu.	30.0	13,500	1.78	24,030	53.40
	1981	1,200	960	Bu.	46.0	44,160	1.65	72,864	75.90
	1982	1,200	1,050	Bu.	53.0	55,650	1.19	66,224	63.07
	1983	1,500	1,260	Bu.	50.5	63,630	1.37	87,173	69.18
	1984	1,150	980	Bu.	51.0	49,980	1.42	70,972	72.42
	1985	1,175	840	Bu.	53.0	44,520	1.05	46,746	55.65
	1986	1,050	700	Bu.	55.0	38,500	1.20	46,200	66.00
	1987	1,050	700	Bu.	52.0	36,400	1.55	56,420	80.60
Barley	1978	2,500	2,450	Bu.	46.0	112,700	1.78	200,606	81.88
	1979	1,700	1,650	Bu.	46.0	75,900	2.10	159,390	96.60
	1980	1,850	1,500	Bu.	32.0	48,000	2.68	128,640	85.76
	1981	2,150	2,100	Bu.	48.0	100,800	2.20	221,760	105.60
	1982	2,000	1,950	Bu.	53.0	103,350	1.76	181,896	93.28
	1983	2,600	2,520	Bu.	45.5	114,660	2.20	252,252	100.10
	1984	2,950	2,900	Bu.	53.0	153,700	1.94	298,178	102.82
	1985	3,500	3,350	Bu.	55.0	184,250	1.60	294,800	88.00
	1986	3,600	3,450	Bu.	51.0	175,950	1.37	241,052	69.87
	1987	3,000	2,900	Bu.	48.0	139,200	1.50	208,800	72.00

HISTORIC ESTIMATES CONT.

Crop	Year	Acreage		Unit	Production		Marketing Year Avg. Price	Value of Production	Value per Harvested Acre
		Planted	Harvested		Yield Per Acre	Total			
		(000)				(000)	($/Unit)	(000 Dols.)	(Dols.)
Rye	1978	200	180	Bu.	30.0	5,400	1.69	9,126	50.70
	1979	150	140	Bu.	28.0	3,920	1.70	6,664	47.60
	1980	70	50	Bu.	21.0	1,050	2.64	2,772	55.44
	1981	75	70	Bu.	31.0	2,170	2.77	6,011	85.87
	1982	80	75	Bu.	32.0	2,400	2.00	4,800	64.00
	1983	140	135	Bu.	32.0	4,320	1.79	7,733	57.28
	1984	155	150	Bu.	36.0	5,400	1.76	9,504	63.36
	1985	100	80	Bu.	33.0	2,640	1.82	4,805	60.06
	1986	135	125	Bu.	34.0	4,250	1.16	4,930	39.44
	1987	175	165	Bu.	31.0	5,115	1.15	5,882	35.65
Flaxseed	1978	360	350	Bu.	11.5	4,025	5.84	23,506	67.16
	1979	480	460	Bu.	13.0	5,980	5.76	34,445	74.88
	1980	330	270	Bu.	10.0	2,700	7.18	19,386	71.80
	1981	330	320	Bu.	12.5	4,000	6.57	26,280	82.13
	1982	460	435	Bu.	13.5	5,873	5.14	30,187	69.40
	1983	410	400	Bu.	11.5	4,600	6.83	31,418	78.55
	1984	400	390	Bu.	12.5	4,875	6.07	29,591	75.87
	1985	460	445	Bu.	13.5	6,008	5.00	30,040	67.51
	1986	575	545	Bu.	17.5	9,538	3.45	32,906	60.38
	1987	400	395	Bu.	16.5	6,518	3.30	21,509	54.45
Sugarbeets	1978	156.2	155.2	Tons	19.7	3,054	22.90	69,937	450.63
	1979	145.3	143.1	Tons	16.1	2,304	34.10	78,566	549.03
	1980	147.6	142.7	Tons	14.1	2,017	46.30	93,387	654.43
	1981	145.6	144.9	Tons	18.6	2,695	20.50	55,248	381.28
	1982	145.7	144.8	Tons	17.1	2,476	35.70	88,393	610.45
	1983	143.1	142.2	Tons	16.9	2,404	35.40	85,102	598.47
	1984	139.8	139.1	Tons	16.6	2,309	37.00	85,433	614.18
	1985	144.8	144.2	Tons	16.8	2,423	35.50	86,017	596.51
	1986	164.8	163.8	Tons	17.9	2,932	39.30	115,228	703.47
	1987	163.3	161.3	Tons	19.6	3,161	---	---	---
Potatoes	1978	137	135	Cwt.	175	23,625	2.60	61,425	455.00
	1979	121	114	Cwt.	160	18,240	3.25	59,280	520.00
	1980	114	112	Cwt.	140	15,680	6.85	107,408	959.00
	1981	119	115	Cwt.	175	20,125	4.05	81,506	708.75
	1982	122	115	Cwt.	150	17,250	4.35	75,038	652.50
	1983	132	128	Cwt.	160	20,480	4.90	100,352	784.00
	1984	136	133	Cwt.	155	20,615	4.65	95,860	720.75
	1985	145	139	Cwt.	170	23,630	3.20	75,616	544.00
	1986	128	120	Cwt.	180	21,600	4.20	90,720	756.00
	1987	130	125	Cwt.	185	23,125	3.60	83,250	666.00
All Dry Edible Beans	1978	118	113	Cwt.	11.0	1,243	13.50	16,781	148.50
	1979	110	105	Cwt.	13.5	1,418	22.50	31,905	303.86
	1980	265	255	Cwt.	10.5	2,678	24.70	66,147	259.40
	1981	430	415	Cwt.	11.0	4,565	19.80	90,387	217.80
	1982	300	240	Cwt.	10.5	2,520	11.30	28,476	118.65
	1983	170	160	Cwt.	10.3	1,648	18.70	30,818	192.61
	1984	205	200	Cwt.	12.6	2,520	16.10	40,572	202.86
	1985	260	237	Cwt.	12.7	3,010	14.40	43,344	182.89
	1986	290	280	Cwt.	15.5	4,340	17.60	76,384	272.80
	1987	370	359	Cwt.	14.0	5,026	11.90	59,809	166.60
Soybeans	1978	175	173	Bu.	27.5	4,758	6.75	32,117	185.65
	1979	210	206	Bu.	27.0	5,562	5.80	32,260	156.60
	1980	210	200	Bu.	17.5	3,500	7.04	24,640	123.20
	1981	250	245	Bu.	28.0	6,860	5.70	39,102	159.60
	1982	425	415	Bu.	21.0	8,715	5.42	47,235	113.82
	1983	540	530	Bu.	27.0	14,310	7.37	105,465	198.99
	1984	750	740	Bu.	23.0	17,020	5.59	95,142	128.57
	1985	500	490	Bu.	26.0	12,740	4.79	61,025	124.54
	1986	475	470	Bu.	35.0	16,450	4.63	76,164	162.05
	1987	480	475	Bu.	32.5	15,438	5.35	82,593	173.88

HISTORIC ESTIMATES CONT.

Crop	Year	Acreage		Unit	Production		Marketing Year Avg. Price	Value of Production	Value per Harvested Acre
		Planted	Harvested		Yield Per Acre	Total			
		(000)				(000)	($/Unit)	(000 Dols.)	(Dols.)
Corn, For Grain*	1978	600	300	Bu.	79.0	23,700	2.06	48,822	162.74
	1979	590	313	Bu.	76.0	23,788	2.16	51,382	164.16
	1980	700	290	Bu.	58.0	16,820	2.93	49,283	169.94
	1981	900	513	Bu.	81.0	41,553	2.20	91,417	178.20
	1982	890	520	Bu.	68.0	35,360	2.48	87,693	168.64
	1983	720	435	Bu.	67.0	29,145	3.03	88,309	203.01
	1984	970	630	Bu.	66.0	41,580	2.57	106,861	169.62
	1985	1,000	560	Bu.	72.0	40,320	2.17	87,494	156.24
	1986	880	530	Bu.	93.0	49,290	1.42	69,992	132.06
	1987	770	500	Bu.	93.0	46,500	1.70	79,050	158.10
Corn, For Silage*	1978	600	274	Tons	6.7	1,836	---	---	---
	1979	590	252	Tons	6.7	1,688	---	---	---
	1980	700	326	Tons	4.3	1,402	---	---	---
	1981	900	366	Tons	7.3	2,672	---	---	---
	1982	890	348	Tons	6.2	2,158	---	---	---
	1983	720	262	Tons	6.3	1,651	---	---	---
	1984	970	323	Tons	5.8	1,873	---	---	---
	1985	1,000	360	Tons	5.4	1,944	---	---	---
	1986	880	300	Tons	7.5	2,250	---	---	---
	1987	770	230	Tons	7.5	1,725	---	---	---
							($/Cwt.)		
Sunflower, All	1978	1,920	1,910	Lbs.	1333	2,545,080	10.40	265,816	139.17
	1979	3,460	3,378	Lbs.	1357	4,584,600	8.89	407,650	120.68
	1980	2,400	2,235	Lbs.	976	2,181,050	11.00	239,683	107.24
	1981	2,650	2,628	Lbs.	1202	3,158,160	10.70	339,117	129.04
	1982	3,400	3,348	Lbs.	1106	3,703,600	8.84	327,246	97.74
	1983	2,375	2,344	Lbs.	1044	2,446,400	13.00	317,715	135.54
	1984	2,850	2,817	Lbs.	976	2,749,850	11.30	311,370	110.53
	1985	2,190	2,030	Lbs.	1094	2,221,800	8.01	177,957	87.66
	1986	1,460	1,407	Lbs.	1353	1,903,690	7.10	135,179	96.08
	1987	1,400	1,375	Lbs.	1510	2,076,350	7.52	150,190	113.59
Sunflower, Non-oil	1978	180	179	Lbs.	1260	225,540	10.90	24,584	137.34
	1979	160	158	Lbs.	1300	205,400	11.70	24,032	152.10
	1980	200	185	Lbs.	930	172,050	13.20	22,711	122.76
	1981	230	228	Lbs.	1220	278,160	13.20	36,717	161.04
	1982	210	208	Lbs.	1200	249,600	12.10	30,202	145.20
	1983	145	144	Lbs.	1100	158,400	12.80	20,275	140.80
	1984	220	217	Lbs.	1050	227,850	14.90	33,950	156.45
	1985	220	210	Lbs.	1220	256,200	13.30	34,075	162.26
	1986	220	212	Lbs.	1370	290,440	9.55	27,737	130.83
	1987	200	195	Lbs.	1450	282,750	9.25	26,154	134.12
Sunflower, Oil	1978	1,740	1,731	Lbs.	1340	2,319,540	10.40	241,232	139.36
	1979	3,300	3,220	Lbs.	1360	4,379,200	8.76	383,618	119.14
	1980	2,200	2,050	Lbs.	980	2,009,000	10.80	216,972	105.84
	1981	2,420	2,400	Lbs.	1200	2,880,000	10.50	302,400	126.00
	1982	3,190	3,140	Lbs.	1100	3,454,000	8.60	297,044	94.60
	1983	2,230	2,200	Lbs.	1040	2,288,000	13.00	297,440	135.20
	1984	2,630	2,600	Lbs.	970	2,522,000	11.00	277,420	106.70
	1985	1,970	1,820	Lbs.	1080	1,965,600	7.32	143,882	79.06
	1986	1,240	1,195	Lbs.	1350	1,613,250	6.66	107,442	89.91
	1987	1,200	1,180	Lbs.	1520	1,793,600	7.25	130,036	110.20
Millet	1978	85	70	Bu.	28.5	1,995	---	---	---
	1979	80	65	Bu.	32.0	2,080	---	---	---
	1980	160	50	Bu.	28.0	1,400	---	---	---
	1981	130	85	Bu.	33.0	2,805	---	---	---
	1982	75	55	Bu.	24.0	1,320	---	---	---
	1983	75	60	Bu.	29.0	1,740	---	---	---
	1984	95	82	Bu.	28.0	2,296	---	---	---
	1985	100	79	Bu.	39.0	3,081	---	---	---
	1986	120	96	Bu.	35.0	3,360	---	---	---
	1987	Estimates Discontinued							

* Planted Acreage is Corn for All Purposes.

HISTORIC ESTIMATES CONT.

Crop	Year	Acreage		Unit	Production		Marketing Year Avg. Price	Value of Production	Value per Harvested Acre
		Planted	Harvested		Yield Per Acre	Total			
		(000)				(000)	($/Unit)	(000 Dols.)	(Dols.)
Mustard	1980	50	41	Lbs.	650	26,650	---	---	---
	1981	70	69	Lbs.	920	63,480	---	---	---
	1982	26	25	Lbs.	900	22,500	---	---	---
	1983	33	31	Lbs.	650	20,150	---	---	---
	1984	30	29	Lbs.	830	24,070	---	---	---
	1985	40	39	Lbs.	800	31,200	---	---	---
	1986	30	26	Lbs.	770	20,020	---	---	---
	1987	Estimates Discontinued							
Hay, All	1978	---	3,430	Tons	1.83	6,285	36.00	226,260	65.97
	1979	---	3,200	Tons	1.62	5,178	37.50	194,175	60.68
	1980	---	2,500	Tons	.90	2,245	75.00	168,375	67.35
	1981	---	2,900	Tons	1.49	4,315	58.00	250,270	86.30
	1982	---	2,800	Tons	1.75	4,913	41.50	203,890	72.82
	1983	---	2,900	Tons	1.54	4,478	39.00	175,642	60.22
	1984	---	2,900	Tons	1.54	4,468	43.00	192,124	66.25
	1985	---	2,950	Tons	1.28	3,768	51.50	194,052	65.78
	1986	---	3,100	Tons	1.75	5,425	37.00	200,725	64.75
	1987	---	2,950	Tons	1.63	4,795	36.50	175,018	59.33
Hay, Alfalfa	1978	---	1,900	Tons	2.10	3,990	---	---	---
	1979	---	1,850	Tons	1.85	3,423	---	---	---
	1980	---	1,200	Tons	.95	1,140	---	---	---
	1981	---	1,600	Tons	1.60	2,560	---	---	---
	1982	---	1,550	Tons	2.00	3,100	---	---	---
	1983	---	1,550	Tons	1.80	2,790	---	---	---
	1984	---	1,550	Tons	1.75	2,713	---	---	---
	1985	---	1,500	Tons	1.40	2,100	---	---	---
	1986	---	1,550	Tons	2.10	3,255	---	---	---
	1987	---	1,600	Tons	1.90	3,040	---	---	
Hay, Other	1978	---	1,530	Tons	1.50	2,295	---	---	---
	1979	---	1,350	Tons	1.30	1,755	---	---	---
	1980	---	1,300	Tons	.85	1,105	---	---	---
	1981	---	1,300	Tons	1.35	1,755	---	---	---
	1982	---	1,250	Tons	1.45	1,813	---	---	---
	1983	---	1,350	Tons	1.25	1,688	---	---	---
	1984	---	1,350	Tons	1.30	1,755	---	---	---
	1985	---	1,450	Tons	1.15	1,668	---	---	---
	1986	---	1,550	Tons	1.40	2,170	---	---	---
	1987	---	1,350	Tons	1.30	1,755	---	---	
Summerfallow *	1978	6,550	---	---	---	---	---	---	---
	1979	6,500	---	---	---	---	---	---	---
	1980	6,450	---	---	---	---	---	---	---
	1981	5,200	---	---	---	---	---	---	---
	1982	5,300	---	---	---	---	---	---	---
	1983	6,900	---	---	---	---	---	---	---
	1984	6,000	---	---	---	---	---	---	---
	1985	6,400	---	---	---	---	---	---	---
	1986	6,600	---	---	---	---	---	---	---
	1987	Estimates Discontinued							
Principal Crops Total **	1978	20,631	20,234	---	---	---	---	1,830,190	91.78
	1979	21,056	20,416	---	---	---	---	2,080,154	103.24
	1980	21,287	17,990	---	---	---	---	1,735,769	98.49
	1981	22,955	22,361	---	---	---	---	2,449,133	111.42
	1982	22,308	21,753	---	---	---	---	2,274,984	106.34
	1983	18,970	18,432	---	---	---	---	2,014,790	110.95
	1984	21,351	20,975	---	---	---	---	2,350,165	113.87
	1985	21,455	20,535	---	---	---	---	2,155,873	107.07
	1986	21,428	20,571	---	---	---	---	1,832,315	90.39
	1987	20,063	20,200	---	---	---	---	---	---

* Acres Summerfallowed.
** Includes acres harvested for hay, but excludes mustard and millet.

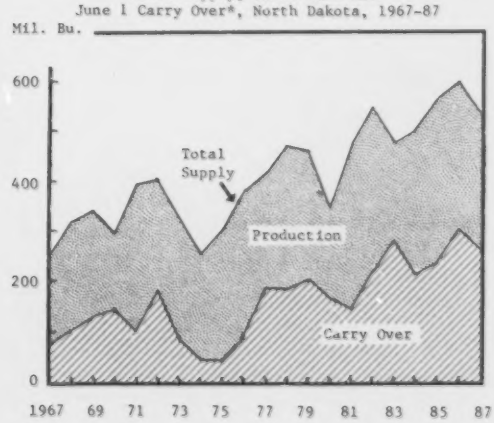
GRAIN STOCKS

STOCKS BY POSITIONS, QUARTERLY, NORTH DAKOTA, 1978-87*

Year Beginning Sept. 1	On Farm				Off Farm				TOTAL			
	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1
	- - - - - - - - - - Thousand Bushels - - - - - - - - - -											
ALL WHEAT												
1978	314,672	271,762	243,155	180,221	64,186	47,076	43,565	32,042	378,858	318,838	286,720	212,263
1979	317,816	242,146	194,221	138,729	62,839	43,409	41,600	35,500	380,655	285,555	235,821	174,229
1980	213,784	179,650	154,499	116,773	59,000	53,500	43,000	34,626	272,784	233,150	197,499	151,399
1981	334,825	275,738	249,478	196,956	64,300	49,205	42,000	32,241	399,125	324,943	291,478	229,197
1982	432,031	354,070	298,848	237,130	69,500	56,000	51,500	51,000	501,531	410,070	350,348	288,130
1983	267,899	242,663	215,484	174,717	73,000	62,000	57,500	48,792	340,899	304,663	272,984	223,509
1984	329,660	255,771	215,984	193,249	79,500	67,000	61,500	54,000	409,160	322,771	277,484	247,249
1985	381,441	323,255	268,302	235,976	85,000	80,000	86,000	76,500	466,441	403,255	354,302	312,476
1986	350,000	315,000	240,000	170,000	110,200	109,500	102,500	101,000	460,200	424,500	342,500	271,000
1987	290,000	260,000	215,000		113,000	105,000	88,000		403,000	365,000	303,000	
DURUM WHEAT												
1978	100,019	83,689	71,442	60,215	15,141	11,055	11,468	8,211	115,160	94,744	82,910	68,426
1979	103,090	74,360	54,925	42,250	16,725	10,428	11,240	6,101	119,815	84,788	66,165	48,351
1980	71,687	59,983	49,742	37,307	15,973	15,600	11,050	7,599	87,660	75,583	60,792	44,906
1981	118,938	98,475	88,244	75,455	19,000	13,000	10,500	7,529	137,938	111,475	98,744	82,984
1982	148,506	130,774	108,609	93,093	21,500	18,000	16,000	16,000	170,006	148,774	124,609	109,093
1983	95,069	82,574	73,339	60,844	24,500	22,500	18,890	16,400	119,569	105,074	92,229	77,244
1984	109,240	82,520	71,517	61,300	25,000	21,000	18,500	16,600	134,240	103,520	90,017	77,900
1985	114,594	103,135	82,126	72,576	25,200	24,000	26,200	23,450	139,794	127,135	108,326	96,026
1986	112,000	86,000	64,000	44,000	28,500	35,100	32,500	25,000	140,500	121,100	96,500	69,000
1987	81,000	66,000	56,000		30,700	28,500	27,000		111,700	94,500	83,000	
BARLEY 1/												
1978	118,335	96,922	76,636	61,985	12,392	13,720	14,700	12,017	130,727	110,642	91,336	74,002
1979	106,260	88,803	68,310	52,371	16,539	11,569	12,400	9,167	122,799	100,372	80,710	61,538
1980	72,000	51,840	38,880	28,800	12,880	12,500	10,200	8,437	84,880	64,340	49,080	37,237
1981	87,696	66,528	50,400	40,320	11,000	8,621	8,215	6,298	98,696	75,149	58,615	46,618
1982	112,652	98,183	70,278	57,876	14,500	11,000	10,000	9,000	127,152	109,183	80,278	66,876
1983	105,487	79,115	67,649	55,037	15,300	13,900	11,230	9,505	120,787	93,015	78,879	64,542
1984	144,478	106,053	89,146	73,776	17,300	15,200	13,800	10,900	161,778	121,253	102,946	84,676
1985	189,778	147,400	NA	93,968	29,900	25,600	NA	24,750	219,678	173,000	NA	118,718
1986	NA	NA	NA	83,000	NA	NA	NA	33,500	NA	NA	NA	116,500
OATS 1/												
1978	68,904	62,640	46,980	35,078	5,259	4,380	4,039	3,345	74,163	67,020	51,019	38,423
1979	59,136	49,896	37,330	26,611	3,965	3,081	2,010	1,551	63,101	52,977	39,340	28,162
1980	33,750	26,325	15,390	11,475	1,610	1,400	1,500	1,076	35,360	27,725	16,890	12,551
1981	45,043	35,328	22,522	17,222	2,200	1,800	1,300	1,185	47,243	37,128	23,822	18,407
1982	58,433	48,972	33,390	25,043	2,900	2,100	1,750	1,200	61,333	51,072	35,140	26,243
1983	60,449	41,996	36,905	26,725	3,300	1,600	1,130	1,032	63,749	43,596	38,035	27,757
1984	54,978	34,486	29,988	20,492	2,550	1,800	1,670	1,060	57,528	36,286	31,658	21,552
1985	48,972	35,616	NA	15,582	2,350	1,600	NA	1,050	51,322	37,216	NA	16,632
1986	NA	NA	NA	13,500	NA	NA	NA	1,830	NA	NA	NA	15,330

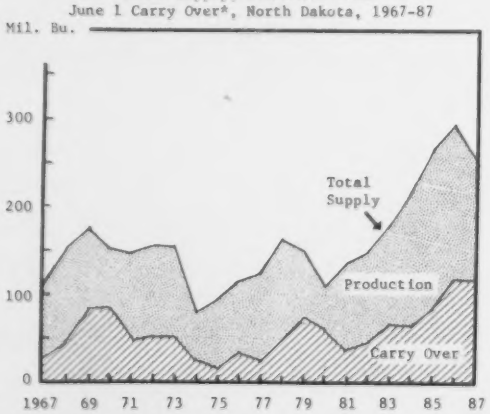
See footnote on following page.

ALL WHEAT
Total Supply, Production and
June 1 Carry Over*, North Dakota, 1967-87



* July 1 prior to 1975.

BARLEY
Total Supply, Production and
June 1 Carry Over*, North Dakota, 1967-87



* July prior to 1975.

GRAIN STOCKS CONT.

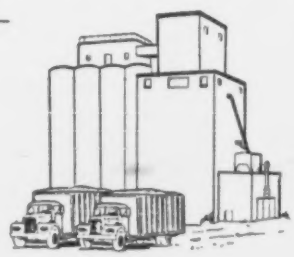
STOCKS BY POSITIONS, QUARTERLY, NORTH DAKOTA, 1978-87*

Year Beginning Sept. 1	On Farm				Off Farm				TOTAL			
	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1
	- - - - - - - - - - Thousand Bushels - - - - - - - - - -											
RYE 1/												
1982	1,536	1,320	1,152	1,080	460	320	300	250	1,996	1,640	1,452	1,330
1983				1,728				560				2,288
1984				3,348				1,600				4,948
1985				2,165				2,700				4,865
1986				1,900				2,900				4,800
FLAXSEED 1/												
1982	3,171	2,290	1,644	1,410	780	1,550	1,200	1,000	3,951	3,840	2,844	2,410
1983				276				781				1,057
1984				488				790				1,278
1985				601				250				851
1986				1,800				425				2,225
Year Begin.	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1 2/
CORN												
1978	21,330	13,746	11,850	9,006	1,755	1,807	1,172	960	23,085	15,553	13,022	9,966
1979	19,744	14,273	11,894	9,515	2,058	890	986	863	21,802	15,163	12,880	10,378
1980	13,961	8,074	6,728	3,364	2,500	1,857	1,157	420	16,461	9,931	7,885	3,784
1981	29,087	26,178	24,101	22,854	3,767	2,974	2,364	1,950	32,854	29,152	26,465	24,804
1982	38,896	37,128	35,360	17,680	5,350	4,650	4,571	9,200	44,246	41,778	39,931	26,880
1983	20,402	18,944	16,030	8,452	8,900	6,245	4,260	3,200	29,302	25,189	20,290	11,652
1984	28,274	22,869	19,543	14,553	4,500	3,900	2,800	2,600	32,774	26,769	22,343	17,153
1985	39,110	34,675	27,418	25,000	5,800	5,400	5,350	6,300	44,910	40,075	32,768	31,300
1986	49,000	39,000	24,500	21,000	15,199	11,500	9,950	8,100	64,199	50,500	34,450	29,100
1987	46,000	34,000			13,000	8,500			59,000	42,500		
SOYBEANS												
1978	2,760	2,284	1,332	428	954	662	503	375	3,714	2,946	1,835	803
1979	3,671	3,059	2,392	278	1,351	920	723	414	5,022	3,979	3,115	692
1980	1,750	1,400	700	245	912	640	450	330	2,662	2,040	1,150	575
1981	3,499	2,950	1,784	755	1,700	1,200	360	330	5,199	4,150	2,144	1,085
1982	5,316	2,963	2,615	523	1,800	850	752	360	7,116	3,813	3,367	883
1983	4,293	3,864	1,717	286	2,500	1,821	1,031	635	6,793	5,685	2,748	921
1984	6,638	5,276	3,915	1,362	2,900	1,800	1,450	1,500	9,538	7,076	5,365	2,862
1985	8,408	NA	NA	NA	3,500	2,900	1,890	1,850	11,908	NA	NA	NA
1986	NA	NA	NA	NA	5,300	3,900	3,200	2,750	NA	NA	NA	NA
1987	NA	NA			6,200	3,100			NA	NA		
	- - - - - - - - - Million Pounds - - - - - - - - -											
SUNFLOWER 2/												
1983	530.9	289.6	48.3	7.3	760.0	380.0	225.4	46.3	1,290.9	669.6	273.7	53.6
1984	770.0	522.5	275.0	55.0	500.0	348.5	199.5	41.5	1,270.0	871.0	474.5	96.5
1985	1,244.2	NA	NA	240.0	350.0	NA	NA	113.2	1,594.2	NA	NA	353.2
1986	NA	NA	NA	260.0	NA	NA	NA	159.5	NA			419.5

NA - Not Available. * Beginning September 1, 1986 the NASS changed quarterly reference dates from October 1 to September 1; January 1 to December 1; April 1 to March 1; and June 1 will remain as is. Soybean reference date is also September 1 historically. 1/ Estimates made on June 1 only for Barley and Oats starting 1985 crop; for Rye and Flaxseed starting 1983 crop. 2/ Estimates made on September 1 only for 1985 Sunflower crop, starting September 1, 1986.

HAY

Crop of	Production	Stocks Dec. 1	Stocks May 1
	- - - Thousand Ton - - -		
1978	6,285	5,091	1,697
1979	5,178	4,816	1,398
1980	2,245	2,357	427
1981	4,315	3,409	734
1982	4,913	4,225	1,621
1983	4,478	3,672	1,164
1984	4,468	3,887	983
1985	3,768	2,675	641
1986	5,425	5,208	1,465
1987	4,795	5,275	1,343



GRAIN STORAGE CAPACITY
North Dakota, Dec. 1, 1979-87

Year	On Farm 1/	Off Farm	Total
	- - - - Thousand Bushel - - - -		
1979*		143,426	
1980*		146,240	
1981*		154,810	
1982*		155,112	
1983		173,530	
1984		182,800	
1985		186,150	
1986	919,677	197,200	1,116,877
1986 2/	901,459	228,630	1,130,089
1987 2/	NA	232,100	

* Excludes sunflower facilities. 1/ Survey summary indication. 2/ January 1 prior to 1986. NA - Not Available.

POTATOES

NUMBER OF HILLS, HARVEST LOSSES AND SEED

Number of hills per acre and harvest loss are from the annual potato objective yield survey conducted in North Dakota. These data are presented here for information but are not considered official estimates. Objective yield sample plots were located in potato fields that were selected on a random basis. Field enumerators recorded counts and measurements just prior to and immediately after harvest.

The seed potato acres listed were eligible for final certification based on history, field inspections and certain other preliminary requirements of the North Dakota State Seed Department.

CERTIFIED SEED POTATOES
North Dakota, 1979-87

Year	Acres Eligible
1979	25,301
1980	22,557
1981	25,380
1982	27,263
1983	29,183
1984	30,343
1985	32,984
1986	29,048
1987	30,766

Source: N.D. State Seed Dept.

POTATOES
North Dakota, 1983-1987 1/

Year	REDS			WHITES			RUSSETS			ALL TYPES
	Number of Samples	Average Hills per Acre	Harvest Loss	Number of Samples	Average Hills per Acre	Harvest Loss	Number of Samples	Average Hills per Acre	Harvest Loss	Harvest Loss per Acre
	(No.)	(No.)	(Cwt)	(No.)	(No.)	(Cwt)	(No.)	(No.)	(Cwt)	(Cwt)
1983	47	10,793	18	112	10,078	22	17	9,868	32	22
1984	36	10,499	28	92	10,024	29	8	10,102	27	30
1985	24	10,137	15	79	10,250	30	10	9,516	33	31
1986	23	9,647	22	90	9,966	34	25	9,605	27	31
1987	30	10,219	26	101	10,186	26	21	9,602	26	26

1/ Harvest loss pertains to potatoes left in field at time of harvest.

POTATOES
North Dakota, 1982-86

Crop of	Production	Total Used for Seed 1/	Used on Farms Where Grown		Sold 2/	Price per Hundredweight	Value of	
			For Seed, Feed and Household Use	Shrinkage and Loss			Production	Sales
	- - - - - - - - - Thousand Hundredweight - - - - - - - - -					(Dols.)	(Thousand Dols.)	
1982	17,250	1,914	360	1,725	15,165	4.35	75,038	65,968
1983	20,480	1,972	300	2,058	18,122	4.90	100,352	88,798
1984	20,615	2,175	310	3,710	16,595	4.65	95,860	77,167
1985	23,630	1,984	340	4,725	18,565	3.20	75,616	59,408
1986	21,600	1,950	325	2,375	18,900	4.20	90,720	79,380

1/ Includes seed purchased and seed used on farms where grown. 2/ Consists of potatoes sold for all purposes includes food, seed, processing and livestock feed.

POTATOES
North Dakota, 1983-87

Crop Year	Harvested Acres	Yield per Acre	Production	Stocks on Hand					
				Dec. 1	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1
	(000)	(Cwt)	(000 Cwt)	- - - - - - - - Thousand Hundredweight - - - - - - - -					
				REDS					
1983	28.5	154	4,383	3,150	2,790	2,060	1,640	1,300	625
1984	26.0	153	3,978	3,366	2,580	1,750	1,100	730	430
1985	28.5	160	4,560	3,500	2,720	2,100	NA	NA	NA
1986	25.9	165	4,275	3,050	2,850	2,150	NA	NA	NA
1987	NA	NA	NA	3,500	2,960	2,375	NA	NA	NA
				WHITES					
1983	84.1	164	13,823	9,600	7,750	6,280	4,445	2,590	1,560
1984	91.5	155	14,188	9,716	8,130	6,850	5,540	3,020	1,130
1985	84.0	165	13,900	10,600	8,960	6,950	NA	NA	NA
1986	73.0	181	13,210	9,150	7,550	6,000	NA	NA	NA
1987	NA	NA	NA	10,500	8,584	7,125	NA	NA	NA
				RUSSETS					
1983	15.4	148	2,274	2,250	2,160	1,960	1,715	910	215
1984	15.5	158	2,449	2,218	2,190	2,100	1,760	1,350	940
1985	26.5	195	5,170	4,700	4,320	4,150	NA	NA	NA
1986	21.1	195	4,115	3,300	3,100	2,950	NA	NA	NA
1987	NA	NA	NA	3,500	3,256	3,000	NA	NA	NA
				TOTAL					
1983	128.0	160	20,480	15,000	12,700	10,300	7,800	4,800	2,400
1984	133.0	155	20,615	15,300	12,900	10,700	8,400	5,100	2,500
1985	139.0	170	23,630	18,800	16,000	13,200	10,700	7,800	3,800
1986	120.0	180	21,600	15,500	13,500	11,100	8,900	5,900	3,000
1987	125.0	185	23,125	17,500	14,800	12,500	10,000	6,900	3,400

NA - Not Available

WHEAT VARIETIES

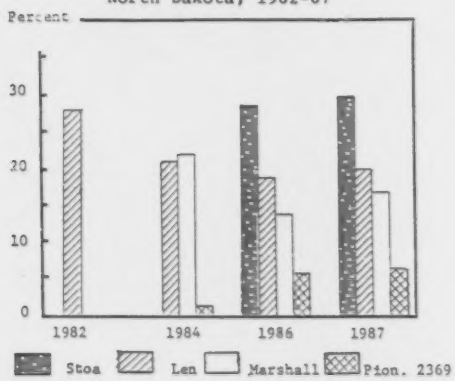
HARD RED SPRING WHEAT
Percent of Acreage Planted
by Variety, North Dakota, 1980-87

Variety	1980	1982	1984	1986	1987
	- - - Percent - - -				
Stoa	-	-	-	28.1	29.3
Len	1.7	27.6	20.6	18.4	19.7
Marshall	-	1/	21.5	13.5	16.6
Pion.2369	-	-	1.1	5.5	6.1
Coteau	5.9	11.9	6.8	3.6	3.7
Alex	-	1/	10.0	6.0	3.1
Waldron	18.5	10.3	6.7	4.9	3.0
Wheaton	-	-	1/	4.0	2.9
Norak	-	-	-	1/	2.1
Butte	22.1	15.5	8.4	2.8	1.6
Olaf	26.9	14.7	8.0	2.0	1.6
Success	-	-	-	1/	1.2
Norseman	-	-	-	1/	1.2
Leo 747	-	-	-	2.0	1.1
WestB 906R	-	-	1/	1/	1.0
Other	24.9	20.0	16.9	9.2	5.8
All Va	100.0	100.0	100.0	100.0	100.0

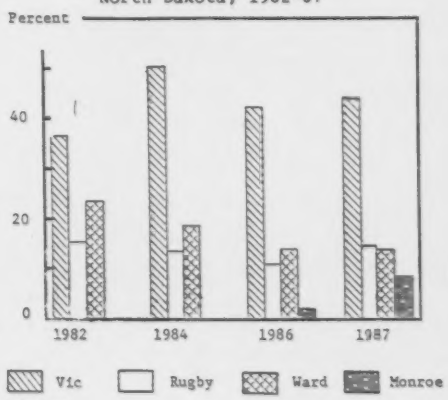
DURUM WHEAT
Percent of Acreage Planted
by Variety, North Dakota, 1980-87

Variety	1980	1982	1984	1986	1987
	- - - - Percent - - - -				
Vic	2.3	36.6	50.4	42.2	43.9
Rugby	18.7	15.1	13.3	10.6	14.4
Ward	37.7	23.2	18.3	13.6	13.7
Monroe	-	-	-	1.7	8.1
Cando	11.2	6.0	3.9	3.2	5.7
Lloyd	-	-	1.8	20.4	5.4
Medora	-	-	-	2.3	3.5
Crosby	11.8	10.1	5.7	3.9	2.8
Rolette	6.2	2.3	2.0	1/	.8
Laker	-	-	-	1/	.6
Other	12.1	6.7	4.6	2.1	1.1
All Varieties	100.0	100.0	100.0	100.0	100.0

HARD RED SPRING WHEAT
Leading Varieties Planted
North Dakota, 1982-87



DURUM WHEAT
Leading Varieties Planted
North Dakota, 1982-87



PERCENT OF ACREAGE PLANTED BY DISTRICTS
North Dakota, 1987

Variety	Northwest	North Cent.	Northeast	West Cent.	Central	East Cent.	Southwest	South Cent.	Southeast	State
	- - - - - Percent Planted - - - - -									
HARD RED SPRING WHEAT										
Stoa	41.1	44.5	23.4	34.4	30.6	29.9	30.5	23.1	20.6	29.3
Len	23.1	19.4	5.7	24.3	20.8	13.4	26.9	23.3	32.1	19.7
Marshall	2.9	1.8	44.0	1.1	8.8	32.3	2.7	4.2	14.8	16.6
Pioneer 2369	1.3	6.6	4.3	1.1	9.3	10.4	2.2	4.1	11.0	6.1
Coteau	3.4	4.5	1.3	9.1	4.9	.5	4.4	9.0	1.8	3.7
Alex	4.2	4.1	.4	9.3	3.1	.2	9.1	2.5	.7	3.1
Waldron	6.7	3.7	.5	6.8	2.5	-	6.8	3.9	1.2	3.0
Wheaton	1.7	-	5.8	.8	1.2	3.6	2.3	6.5	1.3	2.9
Norak	1.1	1.1	2.9	.3	6.4	1.0	4.6	.9	-	2.1
Butte	3.1	2.6	1.6	.1	2.3	.5	1.8	2.6	1.3	1.6
Olaf	1.9	1.4	.4	2.1	1.4	1.0	1.5	3.4	2.7	1.6
Success	1.0	1.7	.7	2.6	2.7	.3	1.6	.9	.5	1.2
Norseman	-	.1	.7	-	-	.7	-	1.5	.3	1.2
Leo 747	.8	.5	-	3.1	2.0	-	1.7	2.0	1.3	1.1
WestB 906R	1.8	3.4	-	.8	.9	.2	.1	1.7	2.1	1.0
Other	5.9	4.8	5.4	4.1	3.1	6.0	3.8	10.4	8.3	5.8
DURUM										
Vic	59.0	39.7	7.4	72.1	56.8	58.0	50.8	49.3	67.8	43.9
Rugby	1.6	24.6	35.3	.3	3.8	5.0	-	-	2.5	14.4
Ward	10.4	16.1	20.8	7.6	12.3	1.0	19.1	13.3	6.0	13.7
Monroe	6.6	7.8	6.6	4.2	20.4	20.0	-	-	18.6	8.1
Cando	.7	.6	21.7	-	-	11.5	-	-	-	5.7
Lloyd	6.7	4.6	.9	9.9	1.0	.7	29.1	29.0	1.7	5.4
Medora	4.9	6.1	2.9	-	1.1	-	.8	-	-	3.5
Crosby	7.1	.3	1.2	4.3	.5	-	-	-	1.2	2.8
Rolette	-	-	2.5	-	1.9	1.2	-	8.4	-	.8
Laker	1.0	-	.7	-	1.6	2.6	-	-	-	.6
Other	2.0	-	.1	1.6	.6	-	.3	-	2.2	1.1

1/ Less than 1.0% included in other.

WHEAT VARIETIES CONT.

WINTER WHEAT
Percent of Acreage Planted
by Varieties, North Dakota, 1980-87

Variety	1980	1982	1984	1986	1987
	- - - - - - Percent - - - - - -				
Roughrider	59.3	74.8	77.5	57.3	58.2
Agassiz	-	-	1/	10.8	19.0
Norstar	2.2	11.5	17.6	23.0	16.5
Bighorn	-	-	-	2.5	4.4
Siouxland	-	-	-	1/	.9
Rose	-	-	1/	3.2	.7
Other	38.5	13.7	4.9	3.2	.3
Total	100.0	100.0	100.0	100.0	100.0

1/ Less than 0.5% included in other.

WINTER WHEAT
Percent of Acreage Planted by Crop
Reporting Districts, 1987, North Dakota

District	Roughrider	Aggassiz	Norstar
	- - - - Percent - - - -		
Northwest	27.5	16.6	53.5
North Central	52.0	17.9	27.6
Northeast	80.2	-	-
West Central	11.3	21.9	66.9
Central	85.5	5.8	-
East Central	69.3	.7	-
Southwest	37.2	55.8	5.3
South Central	47.6	38.6	9.9
Southeast	94.2	3.1	-
STATE	58.2	19.0	16.5

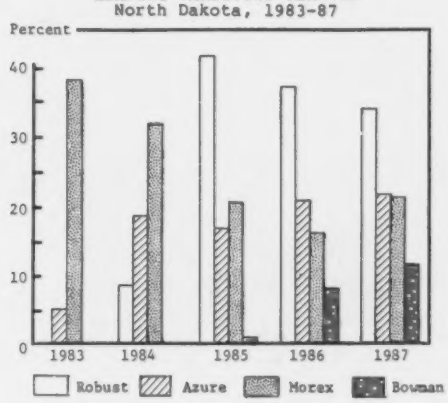
BARLEY VARIETIES

PERCENT OF ACREAGE PLANTED BY VARIETIES
North Dakota, 1983-87

Variety	1983	1984	1985	1986	1987
	- - - - - - Percent - - - - - -				
Robust	1/	8.6	41.7	37.4	34.3
Azure	5.1	18.9	16.9	21.1	21.9
Morex	38.3	31.9	20.8	16.4	21.5
Bowman	-	1/	1.2	8.4	11.8
Hazen	-	1/	4.9	6.8	3.9
Hector	4.3	6.5	6.7	4.2	2.6
Larker	3.8	2.2	1.5	1/	1.1
Glenn	36.5	18.4	3.1	1.5	.9
Other	12.0	13.5	3.2	4.2	2.0
All Varieties	100.0	100.0	100.0	100.0	100.0

1/ Less than 1.0 percent included in other.

LEADING VARIETIES PLANTED
North Dakota, 1983-87



PERCENT OF ACREAGE PLANTED BY DISTRICT,
North Dakota, 1987

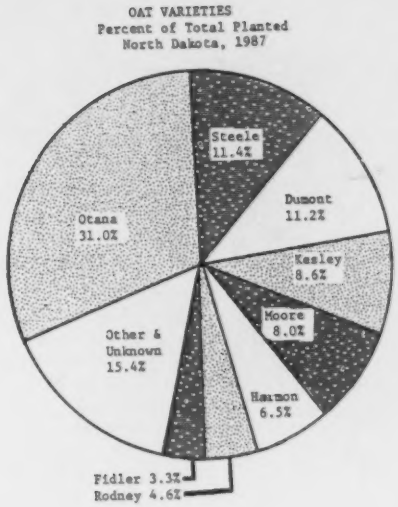
Variety	North-west	North Cent.	North-east	West Cent.	Cen-tral	East Cent.	South-west	South Cent.	South-east	State
				- - - - - Percent - - - - -						
Robust	12.8	39.3	59.7	5.6	20.2	38.6	4.0	9.7	40.3	34.3
Azure	3.1	20.9	20.9	11.2	54.2	39.4	3.1	11.3	11.8	21.9
Morex	44.6	27.5	10.1	21.0	11.5	19.8	3.1	14.4	38.9	21.5
Bowman	23.3	.5	.0	41.9	2.2	.1	76.0	41.8	4.0	11.8
Hazen	2.4	8.1	4.9	4.0	8.2	1.0	4.5	.5	1.3	3.9
Hector	9.6	.0	.4	5.8	.0	.0	7.7	10.5	.0	2.6
Larker	1.7	2.4	.1	3.8	.2	.5	.5	3.5	.6	1.1
Glenn	.1	.3	1.2	1.3	1.7	.0	.0	3.2	2.0	.9
Other	2.4	1.0	2.7	5.4	1.8	.6	1.1	5.1	1.1	2.0

OAT VARIETIES

PERCENT OF ACREAGE PLANTED
by Varieties, North Dakota, 1975-87

Variety	1975	1979	1983	1987
	- - - - - Percent - - - - -			
Otana	-	7.2	21.3	31.0
Steele	-	-	-	11.4
Dumont	-	-	-	11.2
Kelsey	28.3	30.1	16.4	8.6
Moore	-	-	12.0	8.0
Harmon	24.3	19.3	10.3	6.5
Rodney	11.4	11.1	4.2	4.6
Fidler	-	-	13.1	3.3
Burnett	5.4	3.6	2.4	1.7
Russell	6.0	3.6	1.8	1.2
Porter	-	-	1/	1.1
Pierce	-	-	-	.8
Lyon	-	3.6	3.0	.5
Proat	-	-	-	.5
Other	24.6	21.5	15.5	9.6
All	100.0	100.0	100.0	100.0

1/ Less than 1.0% included in other.



PERCENT OF ACREAGE PLANTED BY DISTRICTS,
North Dakota, 1987

Variety	North-west	North Cent.	North-east	West Cent.	Central	East Cent.	South-west	South Cent.	South-east	State
					- - - - - Percent - - - - -					
Otana	44.8	4.1	-	43.8	4.5	-	62.9	38.9	8.5	31.0
Steele	.3	7.9	13.9	6.4	21.5	45.2	.6	13.4	25.1	11.4
Dumont	19.0	37.4	31.4	10.6	5.6	.5	3.3	6.4	1.1	11.2
Kelsey	14.2	8.3	-	8.9	6.1	1.6	13.4	6.6	5.8	8.6
Moore	2.6	1.4	4.1	-	26.5	35.7	-	.5	27.0	8.0
Harmon	3.2	16.4	.7	7.3	7.8	-	5.1	6.3	7.1	6.5
Rodney	1.7	.5	2.4	5.5	7.9	2.6	4.3	7.4	5.1	4.6
Fidler	3.1	8.4	20.8	.7	6.3	3.4	-	.8	2.3	3.3
Burnett	-	1.8	-	-	-	-	1.9	4.7	4.1	1.7
Russell	1.1	-	2.2	1.2	.4	-	.2	3.9	.3	1.2
Porter	.1	-	-	5.4	-	-	-	.7	-	1.1
Pierce	-	2.8	.6	.3	1.2	-	-	.5	2.3	.8
Lyon	-	-	.4	.4	1.4	-	.7	-	1.6	.5
Proat	-	-	-	.2	1.1	6.9	-	-	1.1	.5
Other	9.9	11.0	23.5	9.3	9.7	4.1	7.6	9.9	8.6	9.6

ACREAGE PLANTED BY DISTRICTS,
North Dakota, 1987

Variety	North-west	North Cent.	North-east	West Cent.	Central	East Cent.	South-west	South Cent.	South-east	State
					- - - - - Thousand Acres - - - - -					
Otana	67.2	3.7	-	78.9	5.0	-	94.3	66.1	10.2	325.4
Steele	.4	7.1	5.6	11.5	23.7	18.1	.9	22.8	30.2	120.3
Dumont	28.5	33.6	12.6	19.0	6.1	.2	5.0	10.9	1.3	117.2
Kelsey	21.3	7.5	-	16.1	6.7	.6	20.0	11.1	6.9	90.2
Moore	3.8	1.3	1.6	-	29.2	14.3	-	.9	32.4	83.5
Harmon	4.7	14.8	.3	13.1	8.6	-	7.6	10.7	8.5	68.3
Rodney	2.6	.4	1.0	9.9	8.7	1.1	6.5	12.6	6.1	48.9
Fidler	4.7	7.5	8.3	1.2	7.0	1.4	-	1.4	2.7	34.2
Burnett	-	1.6	-	-	-	-	2.9	7.9	4.9	17.3
Russell	1.6	-	.9	2.1	.4	-	.4	6.7	.3	12.4
Porter	.2	-	-	9.8	-	-	-	1.1	-	11.1
Pierce	-	2.5	.2	.6	1.3	-	-	.9	2.8	8.3
Lyon	-	-	.2	.7	1.6	-	1.1	-	1.9	5.5
Proat	-	-	-	.3	1.3	2.7	-	-	1.3	5.6
Other	15.0	10.0	9.3	16.8	10.4	1.6	11.3	16.9	10.5	101.8
TOTAL	150.0	90.0	40.0	180.0	110.0	40.0	150.0	170.0	120.0	1050.0

ALL WHEAT

North Dakota, 1986 (Revised) and 1987

District and County	1986					1987				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	164,000	161,200	33.3	33.9	5,468,700	156,200	154,700	22.8	23.0	3,559,000
Divide	203,000	199,800	33.3	33.9	6,765,600	204,300	198,100	28.4	29.3	5,811,600
Mountrail	235,000	232,500	37.3	37.7	8,769,300	226,500	223,400	19.0	19.3	4,312,100
Renville	182,500	181,900	37.1	37.3	6,776,000	180,000	179,000	23.5	23.6	4,231,000
Ward	372,500	371,400	36.8	37.0	13,724,000	361,900	339,700	19.2	20.4	6,931,300
Williams	303,000	298,200	30.9	31.4	9,368,400	286,600	284,800	23.8	24.0	6,822,000
Northwest	1,460,000	1,445,000	34.8	35.2	50,872,000	1,415,500	1,379,700	22.4	23.0	31,667,000
Benson	218,000	212,900	28.0	28.6	6,098,300	226,300	225,700	25.2	25.3	5,701,000
Bottineau	332,000	326,500	34.7	35.2	11,506,000	311,000	306,200	23.4	23.8	7,275,000
McHenry	187,000	182,800	27.9	28.6	5,219,200	179,000	172,700	19.7	20.5	3,535,000
Pierce	157,000	154,800	25.3	25.7	3,971,500	156,400	152,700	19.1	19.6	2,987,000
Rolette	136,000	132,000	32.0	33.0	4,355,000	120,800	117,200	24.5	25.2	2,959,000
North Central	1,030,000	1,009,000	30.2	30.9	31,150,000	993,500	974,500	22.6	23.0	22,457,000
Cavalier	330,500	322,500	34.7	35.6	11,467,000	345,300	344,300	39.5	39.7	13,656,500
Grand Forks	240,500	240,200	39.1	39.1	9,401,000	230,400	228,000	42.4	42.8	9,769,400
Nelson	207,000	204,600	30.6	31.0	6,339,400	202,800	200,200	32.0	32.5	6,497,500
Pembina	242,000	242,000	39.0	39.0	9,444,000	231,000	231,000	46.4	46.4	10,714,000
Ramsey	277,000	264,800	28.9	30.3	8,016,600	266,800	265,100	29.9	30.1	7,972,200
Towner	234,000	221,000	25.7	27.2	6,003,000	235,800	234,700	30.5	30.7	7,198,700
Walsh	274,000	272,900	38.5	38.6	10,539,000	267,900	267,100	43.9	44.0	11,758,700
Northeast	1,805,000	1,768,000	33.9	34.6	61,210,000	1,780,000	1,770,400	38.0	38.2	67,567,000
Dunn	112,000	107,000	27.7	29.0	3,101,000	108,100	101,500	21.1	22.4	2,277,000
McKenzie	151,500	143,500	27.5	29.1	4,172,400	147,200	144,900	24.3	24.6	3,570,100
McLean	350,000	347,100	33.5	33.8	11,723,000	332,000	328,200	21.6	21.9	7,176,000
Mercer	83,500	83,500	31.6	31.6	2,640,000	77,700	76,300	25.1	25.6	1,953,500
Oliver	48,000	46,900	29.1	29.8	1,395,600	51,000	49,900	23.4	24.0	1,195,400
West Central	745,000	728,000	30.9	31.6	23,032,000	716,000	700,800	22.6	23.1	16,172,000
Eddy	89,500	88,000	27.8	28.3	2,489,000	79,000	77,200	27.8	28.5	2,198,500
Foster	130,000	126,800	30.7	31.5	3,995,500	123,200	117,100	28.8	30.3	3,552,600
Kidder	100,000	98,800	21.0	21.3	2,104,000	82,700	81,300	23.2	23.6	1,919,800
Sheridan	122,000	120,000	27.3	27.8	3,332,500	121,400	120,300	23.7	23.9	2,880,000
Stutsman	394,500	383,400	29.9	30.8	11,795,000	357,700	356,000	31.0	31.1	11,086,000
Wells	224,000	221,000	30.5	30.9	6,834,000	237,500	230,600	27.2	28.1	6,469,100
Central	1,060,000	1,038,000	28.8	29.4	30,550,000	1,001,500	982,500	28.1	28.6	28,106,000
Barnes	287,000	282,500	31.3	31.8	8,983,000	279,500	278,700	33.9	34.0	9,462,000
Cass	315,000	307,400	33.0	33.9	10,410,600	305,200	302,600	42.7	43.0	13,018,100
Griggs	112,500	111,500	29.2	29.4	3,281,000	119,700	116,100	29.2	30.1	3,492,200
Steele	123,500	122,900	35.7	35.9	4,412,000	134,300	131,000	34.2	35.1	4,595,100
Traill	147,000	146,700	36.4	36.5	5,356,400	147,300	144,800	40.0	40.7	5,888,600
East Central	985,000	971,000	32.9	33.4	32,443,000	986,000	973,200	37.0	37.5	36,456,000
Adams	122,000	114,300	22.8	24.3	2,777,000	120,500	117,000	27.8	28.6	3,344,000
Billings	36,500	35,400	24.9	25.6	907,800	32,000	30,400	23.5	24.7	752,000
Bowman	102,500	98,800	23.0	23.9	2,361,500	110,700	106,000	24.6	25.7	2,727,000
Golden Valley	69,000	65,700	22.8	24.0	1,575,000	81,800	80,000	28.0	28.6	2,289,300
Hettinger	242,500	238,000	30.5	31.1	7,402,200	208,500	201,100	25.9	26.9	5,403,400
Slope	94,500	92,500	25.7	26.3	2,431,500	90,500	89,500	29.1	29.4	2,632,900
Stark	158,000	151,300	27.4	28.6	4,323,000	163,500	162,000	26.5	26.8	4,340,400
Southwest	825,000	796,000	26.4	27.4	21,778,000	807,500	786,000	26.6	27.3	21,489,000
Burleigh	166,000	159,200	24.0	25.1	3,989,500	139,500	133,900	22.9	23.9	3,194,400
Emmons	184,400	179,000	20.8	21.4	3,831,000	178,000	175,400	23.9	24.2	4,251,400
Grant	114,400	106,400	23.2	24.9	2,653,000	108,000	105,000	25.0	25.7	2,701,600
Morton	136,900	123,600	27.5	30.5	3,770,000	132,000	127,800	27.1	28.0	3,583,600
Sioux	48,300	41,800	17.4	20.2	842,500	35,500	28,400	16.8	21.0	597,000
South Central	650,000	610,000	23.2	24.7	15,086,000	593,000	570,500	24.2	25.1	14,328,000
Dickey	182,000	173,500	22.1	23.2	4,031,000	140,000	137,200	27.3	27.9	3,827,800
LaMoure	189,000	178,700	24.2	25.6	4,579,000	191,000	190,600	29.6	29.7	5,654,400
Logan	103,200	100,100	25.3	26.1	2,615,000	110,600	110,400	25.0	25.1	2,765,900
McIntosh	136,500	130,400	21.0	22.0	2,868,000	136,000	131,400	21.7	22.5	2,950,200
Ransom	115,800	110,500	27.4	28.7	3,176,000	107,900	107,200	31.5	31.7	3,403,300
Richland	206,500	202,700	28.7	29.3	5,930,000	200,500	200,400	42.5	42.6	8,530,000
Sargent	127,000	119,100	23.6	25.2	3,000,000	121,000	120,200	31.0	31.2	3,746,400
Southeast	1,060,000	1,015,000	24.7	25.8	26,199,000	1,007,000	997,400	30.7	31.0	30,878,000
STATE	9,620,000	9,380,000	30.4	31.2	292,320,000	9,300,000	9,135,000	28.9	29.5	269,120,000

ALL WHEAT CONT.

North Dakota, 1986 (Revised) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	140,700	138,800	33.4	33.8	4,694,500	23,300	22,400	33.2	34.6	774,200
Divide	187,400	184,500	33.5	34.1	6,284,800	13,900	13,700	27.8	28.2	386,400
Mountrail	177,400	175,600	37.8	38.2	6,702,600	57,600	56,900	35.9	36.3	2,066,700
Renville	135,000	134,600	38.4	38.5	5,187,200	47,500	47,300	33.4	33.6	1,588,800
Ward	200,600	200,600	39.0	39.0	7,813,700	171,400	170,300	34.3	34.6	5,887,300
Williams	271,400	268,800	31.4	31.7	8,521,900	27,500	25,300	22.6	24.6	621,300
Northwest	1,112,500	1,102,900	35.2	35.5	39,204,700	341,200	335,900	33.2	33.7	11,324,700
Benson	113,800	111,100	29.8	30.6	3,396,600	102,500	100,100	25.8	26.4	2,639,800
Bottineau	190,000	186,400	35.5	36.2	6,747,700	142,000	140,100	33.5	34.0	4,758,300
McHenry	96,700	95,000	29.5	30.0	2,850,800	90,000	87,500	26.1	26.9	2,352,200
Pierce	85,100	84,300	27.3	27.5	2,321,100	71,900	70,500	23.0	23.4	1,650,400
Rolette	63,900	62,000	33.4	34.5	2,137,100	72,100	70,000	30.8	31.7	2,217,900
North Central	549,500	538,800	31.8	32.4	17,453,300	478,500	468,200	28.5	29.1	13,618,600
Cavalier	160,000	154,900	36.0	37.2	5,757,800	170,500	167,600	33.5	34.1	5,709,200
Grand Forks	87,700	87,500	37.3	37.3	3,267,300	151,800	151,700	40.1	40.1	6,080,700
Nelson	95,600	94,600	31.6	31.9	3,018,800	111,400	110,000	29.8	30.2	3,320,600
Pembina	68,700	68,700	39.7	39.7	2,730,300	173,300	173,300	38.7	38.7	6,713,700
Ramsey	146,400	140,100	30.8	32.2	4,516,300	130,400	124,500	26.8	28.1	3,492,300
Towner	111,600	106,500	28.0	29.3	3,120,000	122,400	114,500	23.6	25.2	2,883,000
Walsh	84,700	84,400	38.4	38.6	3,254,600	189,200	188,400	38.5	38.6	7,279,900
Northeast	754,700	736,700	34.0	34.8	25,665,100	1,049,000	1,030,000	33.8	34.4	35,479,400
Dunn	78,200	75,800	29.9	30.9	2,340,600	33,800	31,200	22.5	24.4	760,400
McKenzie	127,700	121,600	26.9	28.3	3,436,900	18,300	16,500	20.4	22.6	373,700
McLean	199,500	197,300	34.9	35.3	6,960,600	148,200	147,500	31.5	31.6	4,665,100
Mercer	65,600	65,600	32.8	32.8	2,148,400	17,800	17,800	27.4	27.4	487,600
Oliver	28,700	27,900	32.6	33.5	934,300	19,000	18,700	23.6	24.0	448,400
West Central	499,700	488,200	31.7	32.4	15,820,800	237,100	231,700	28.4	29.1	6,735,200
Eddy	40,900	40,000	30.5	31.2	1,246,900	48,100	47,500	25.4	25.7	1,222,100
Foster	58,600	56,600	32.0	33.1	1,873,000	70,700	69,500	29.6	30.1	2,095,000
Kidder	33,900	33,600	24.1	24.4	818,300	64,100	63,200	18.5	18.8	1,188,700
Sheridan	72,200	71,100	28.4	28.9	2,053,600	49,800	48,900	25.7	26.2	1,278,900
Stutsman	161,900	157,600	32.7	33.6	5,291,600	232,400	225,600	27.9	28.8	6,495,200
Wells	105,900	104,900	33.3	33.6	3,525,600	118,100	116,100	28.0	28.5	3,308,400
Central	473,400	463,800	31.3	31.9	14,809,000	583,200	570,800	26.7	27.3	15,588,300
Barnes	97,500	96,300	32.8	33.2	3,198,300	188,800	185,500	30.5	31.1	5,760,200
Cass	69,100	67,400	31.4	32.2	2,170,800	243,600	237,700	33.5	34.3	8,151,600
Griggs	57,100	56,500	30.9	31.2	1,762,300	54,900	54,500	27.3	27.5	1,498,700
Steele	47,400	47,000	37.5	37.8	1,776,800	75,600	75,400	34.6	34.6	2,612,200
Traill	39,300	39,000	37.4	37.7	1,470,700	107,600	107,600	36.1	36.1	3,880,700
East Central	310,400	306,200	33.4	33.9	10,378,900	670,500	660,700	32.7	33.2	21,903,400
Adams	78,100	74,400	23.9	25.1	1,870,000	43,900	39,900	20.7	22.7	907,000
Billings	29,100	28,400	26.2	26.8	761,100	7,400	7,000	19.8	21.0	146,700
Bowman	81,700	78,600	23.2	24.1	1,896,600	20,800	20,200	22.4	23.0	464,900
Golden Valley	61,300	58,500	23.0	24.1	1,407,000	7,700	7,200	21.8	23.3	168,000
Hettinger	164,100	161,800	30.4	30.9	4,995,000	78,400	76,200	30.7	31.6	2,407,200
Slope	69,300	68,300	26.8	27.2	1,856,100	25,200	24,200	22.8	23.8	575,400
Stark	100,700	97,400	29.2	30.2	2,940,800	57,300	58,900	24.1	25.6	1,382,200
Southwest	584,300	567,400	26.9	27.7	15,726,600	240,700	228,600	25.1	26.5	6,051,400
Burleigh	72,600	71,000	27.8	28.5	2,020,300	93,300	88,100	21.0	22.3	1,963,200
Emmons	72,800	69,400	23.4	24.6	1,704,100	110,600	108,600	18.7	19.1	2,072,900
Grant	69,200	67,900	24.8	25.3	1,714,900	45,100	38,400	20.7	24.3	933,600
Morton	80,000	75,500	30.9	32.8	2,473,000	56,900	48,100	22.8	27.0	1,297,000
Sioux	27,500	22,900	17.5	21.0	480,100	20,600	18,700	17.2	19.0	354,400
South Central	322,100	306,700	26.1	27.4	8,392,400	326,500	301,900	20.3	21.9	6,621,100
Dickey	22,000	20,700	26.6	28.3	585,600	159,000	151,800	21.5	22.5	3,416,400
LaMoure	92,600	87,400	25.7	27.2	2,377,900	95,600	90,500	22.7	24.0	2,174,600
Logan	56,100	55,100	28.9	29.4	1,621,200	46,800	44,700	21.0	22.0	983,600
McIntosh	64,000	60,800	23.8	25.1	1,525,100	72,500	69,600	18.5	19.3	1,342,900
Ransom	40,400	37,900	31.0	33.1	1,252,800	74,700	71,900	25.2	26.2	1,884,700
Richland	18,400	18,500	29.8	29.7	548,800	188,100	184,200	28.6	29.2	5,381,200
Sargent	34,900	31,600	24.4	26.9	851,100	92,000	87,400	23.3	24.6	2,146,700
Southeast	328,400	312,000	26.7	28.1	8,762,500	728,700	700,100	23.8	24.8	17,330,100
STATE	4,935,000	4,822,700	31.7	32.4	156,213,300	4,655,400	4,527,900	28.9	29.7	134,652,200

1/ See page 60 for irrigated acres.

ALL WHEAT CONT.

North Dakota, 1987 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	129,900	128,500	23.0	23.3	2,988,200	26,300	26,200	21.7	21.8	570,800
Divide	185,000	178,900	28.6	29.6	5,297,500	17,800	17,700	24.2	24.4	431,600
Mountrail	191,500	190,700	19.8	19.9	3,788,900	35,000	32,700	14.9	16.0	523,200
Renville	126,100	125,500	25.9	26.0	3,269,000	53,900	53,500	17.8	18.0	962,000
Ward	210,500	199,700	21.6	22.7	4,537,800	151,100	139,700	15.8	17.0	2,380,000
Williams	267,800	266,400	23.6	23.8	6,327,400	15,000	14,600	19.0	19.5	284,400
Northwest	1,110,800	1,089,700	23.6	24.1	26,208,800	299,100	284,400	17.2	18.1	5,152,000
Benson	123,100	122,800	26.9	27.0	3,311,500	101,900	101,600	23.0	23.1	2,344,100
Bottineau	177,500	176,100	26.3	26.6	4,676,000	133,300	129,900	19.4	19.9	2,591,000
McHenry	102,500	100,500	21.8	22.2	2,234,800	76,200	71,900	16.9	17.9	1,286,400
Pierce	90,600	89,400	21.7	21.9	1,962,200	65,800	63,300	15.6	16.2	1,024,800
Rolette	66,000	65,000	28.6	29.0	1,886,000	54,800	52,200	19.6	20.6	1,073,000
North Central	559,700	553,800	25.1	25.4	14,070,500	432,000	418,900	19.3	19.9	8,319,300
Cavalier	177,900	177,500	41.0	41.1	7,291,600	167,400	166,800	38.0	38.2	6,364,900
Grand Forks	85,900	85,300	41.5	41.8	3,566,200	143,900	142,100	42.9	43.5	6,176,200
Nelson	99,900	98,700	33.7	34.2	3,370,700	102,900	101,500	30.4	30.8	3,126,800
Pembina	74,900	74,900	47.0	47.0	3,517,400	156,100	156,100	46.1	46.1	7,196,600
Ramsey	144,900	143,700	31.3	31.6	4,542,200	121,900	121,400	28.1	28.3	3,430,000
Towner	122,300	121,700	31.2	31.3	3,814,900	113,500	113,000	29.8	29.9	3,383,800
Walsh	86,800	86,400	42.9	43.1	3,723,400	181,000	180,600	44.4	44.5	8,031,300
Northeast	792,600	788,200	37.6	37.8	29,826,400	986,700	981,500	38.2	38.4	37,709,600
Dunn	73,500	70,300	23.0	24.0	1,687,800	34,600	31,200	17.0	18.9	589,200
McKenzie	125,400	123,400	23.1	23.5	2,898,000	17,000	16,700	20.5	20.8	348,100
McLean	213,600	211,500	23.7	24.0	5,066,800	116,500	114,800	17.4	17.7	2,031,800
Mercer	60,800	60,500	27.7	27.9	1,686,700	16,800	15,700	15.7	16.8	263,300
Oliver	32,400	31,700	26.6	27.2	861,800	18,500	18,100	17.8	18.2	329,600
West Central	505,700	497,400	24.1	24.5	12,201,100	203,400	196,500	17.5	18.1	3,562,000
Eddy	31,200	30,400	30.3	31.1	944,300	47,300	46,300	26.1	26.7	1,236,700
Foster	57,200	56,000	30.7	31.4	1,757,100	65,200	60,300	27.1	29.3	1,767,500
Kidder	36,200	35,400	26.5	27.1	960,700	45,400	44,800	20.1	20.3	911,200
Sheridan	68,800	68,500	25.9	26.0	1,780,800	52,600	51,800	20.9	21.2	1,099,200
Stutsman	160,200	160,200	34.4	34.4	5,506,600	197,200	195,500	28.2	28.5	5,565,300
Wells	126,700	121,900	29.7	30.9	3,763,300	110,800	108,700	24.4	24.9	2,705,800
Central	480,300	472,400	30.6	31.1	14,712,800	518,500	507,400	25.6	26.2	13,285,700
Barnes	123,500	123,100	37.2	37.4	4,599,000	155,500	155,100	31.1	31.2	4,843,000
Cass	81,000	80,500	43.3	43.6	3,506,700	222,500	220,400	42.4	42.8	9,437,400
Griggs	61,400	59,600	31.1	32.0	1,907,000	57,600	55,800	27.1	27.9	1,558,400
Steele	59,000	57,900	35.9	36.6	2,119,600	74,800	72,600	32.8	33.8	2,454,500
Traill	46,500	45,600	40.9	41.7	1,901,300	100,700	99,100	39.6	40.2	3,982,800
East Central	371,400	366,700	37.8	38.3	14,033,600	611,100	603,000	36.5	36.9	22,276,100
Adams	92,600	89,900	29.3	30.2	2,710,900	27,900	27,100	22.7	23.4	633,100
Billings	25,300	24,400	25.8	26.8	653,100	6,700	6,000	14.8	16.5	98,900
Bowman	93,500	89,500	25.9	27.1	2,422,000	17,200	16,500	17.7	18.5	305,000
Golden Valley	65,800	64,900	28.6	29.0	1,880,000	16,000	15,100	25.6	27.1	409,300
Hettinger	142,200	137,300	26.6	27.5	3,782,000	66,300	63,800	24.5	25.4	1,621,400
Slope	67,000	66,300	30.5	30.9	2,045,400	23,500	23,200	25.0	25.3	587,500
Stark	111,200	110,500	28.3	28.5	3,147,400	52,300	51,500	22.8	23.2	1,193,000
Southwest	597,600	582,800	27.8	28.6	16,640,800	209,900	203,200	23.1	23.9	4,848,200
Burleigh	68,500	66,000	25.9	26.9	1,772,900	70,900	67,800	20.0	20.9	1,417,000
Emmons	67,600	67,500	26.9	26.9	1,817,500	109,400	106,900	21.7	22.3	2,378,900
Grant	67,100	65,700	26.1	26.6	1,748,400	40,900	39,300	23.3	24.3	953,200
Morton	83,300	80,600	28.4	29.4	2,368,800	48,600	47,100	24.9	25.7	1,210,800
Sioux	18,900	15,100	18.7	23.4	353,300	16,200	12,900	14.1	17.7	227,700
South Central	305,400	294,900	26.4	27.3	8,060,900	286,000	274,000	21.6	22.6	6,187,600
Dickey	48,800	47,200	29.2	30.2	1,426,200	90,500	89,300	26.1	26.4	2,360,900
LaMoure	89,100	88,800	31.5	31.6	2,805,900	101,400	101,300	27.8	27.9	2,823,500
Logan	56,800	56,800	27.3	27.3	1,553,300	53,400	53,200	22.3	22.3	1,188,600
McIntosh	66,500	64,600	25.1	25.8	1,666,200	69,500	66,800	18.5	19.2	1,284,000
Ransom	42,700	42,400	34.9	35.1	1,488,500	64,500	64,100	29.1	29.3	1,879,800
Richland	38,000	37,900	41.3	41.4	1,569,600	162,500	162,500	42.8	42.8	6,960,400
Sargent	31,400	31,200	36.1	36.4	1,135,100	89,500	88,900	29.1	29.3	2,606,300
Southeast	373,300	368,900	31.2	31.6	11,644,800	631,300	626,100	30.3	30.5	19,103,500
STATE	5,096,800	5,014,800	28.9	29.4	147,399,700	4,178,000	4,095,000	28.8	29.4	120,444,000

1/ See page 61 for irrigated acres.

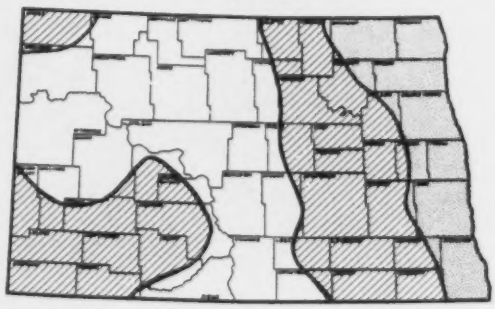
ALL WHEAT - 1987

PRODUCTION

(Rank of First Ten Counties Shown)

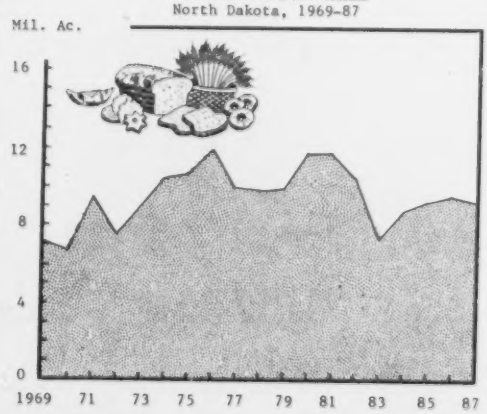
Under 3,000,000 bu.
5,000,000-7,999,999 bu.
3,000,000-4,999,999 bu.
8,000,000 bu. & over

YIELD PER HARVESTED ACRE
(Bushels)



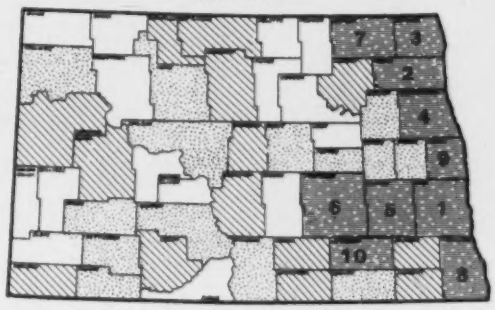
Under 25.0 bu.
35.0 bu. & over
25.0 - 34.9 bu.

ALL WHEAT PLANTED ACRES
North Dakota, 1969-87



SPRING WHEAT OTHER THAN DURUM - 1987

PRODUCTION



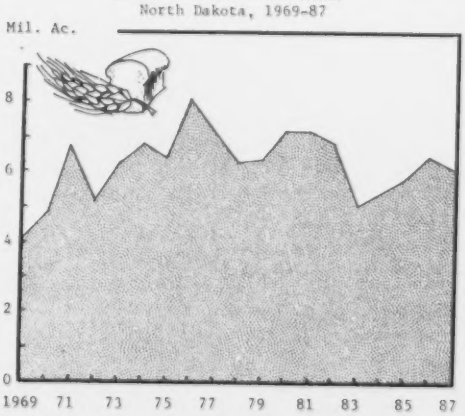
(Numbers indicate first ten counties)

Under 2,000,000 bu.
3,000,000 - 4,499,999 bu.
2,000,000 - 2,999,999 bu.
4,500,000 bu. & over

YIELD PER HARVESTED ACRE
(Bushels)

Under 25.0 bu.
35.0 bu. & over
25.0 - 34.9 bu.

SPRING WHEAT PLANTED ACRES
North Dakota, 1969-87



SPRING WHEAT

Other than Durum, North Dakota, 1986 and 1987

District and County	1986					1987				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	105,000	105,000	34.0	34.0	3,570,000	80,000	79,000	22.2	22.5	1,778,000
Divide	45,000	45,000	33.0	33.0	1,485,000	35,000	33,000	25.0	26.5	875,000
Mountrail	55,000	55,000	37.5	37.5	2,063,000	25,000	24,000	17.3	18.0	432,000
Renville	115,000	115,000	39.0	39.0	4,485,000	110,000	109,500	24.9	25.0	2,737,000
Ward	160,000	160,000	39.0	39.0	6,240,000	150,000	145,000	22.7	23.5	3,407,000
Williams	190,000	190,000	31.4	31.4	5,967,000	160,000	159,500	23.1	23.2	3,696,000
Northwest	670,000	670,000	35.5	35.5	23,810,000	560,000	550,000	23.1	23.5	12,925,000
Benson	70,000	70,000	27.0	27.0	1,890,000	50,000	50,000	24.5	24.5	1,225,000
Bottineau	105,000	105,000	35.5	35.5	3,727,000	94,000	92,000	27.4	28.0	2,576,000
McHenry	150,000	150,000	28.3	28.3	4,238,000	145,000	140,000	20.2	20.9	2,930,000
Pierce	90,000	90,000	25.0	25.0	2,250,000	86,000	84,000	19.5	20.0	1,680,000
Rolette	25,000	25,000	35.0	35.0	875,000	15,000	14,000	21.9	23.5	329,000
North Central	440,000	440,000	29.5	29.5	12,980,000	390,000	380,000	22.4	23.0	8,740,000
Cavalier	210,000	210,000	38.0	38.0	7,980,000	200,000	200,000	40.5	40.5	8,100,000
Grand Forks	225,000	225,000	39.2	39.2	8,823,000	215,000	213,000	42.6	43.0	9,159,000
Nelson	125,000	125,000	32.0	32.0	4,000,000	97,000	96,000	33.6	34.0	3,264,000
Pembina	240,000	240,000	39.0	39.0	9,360,000	225,000	225,000	46.5	46.5	10,462,000
Ramsey	110,000	105,000	30.1	31.5	3,307,000	90,000	89,000	33.1	33.5	2,982,000
Towner	20,000	20,000	31.0	31.0	620,000	23,000	22,500	35.2	36.0	810,000
Walsh	240,000	240,000	40.0	40.0	9,600,000	240,000	239,500	44.8	44.9	10,755,000
Northeast	1,170,000	1,165,000	37.3	37.5	43,690,000	1,090,000	1,085,000	41.8	42.0	45,532,000
Dunn	100,000	96,000	27.8	29.0	2,784,000	100,000	94,000	21.2	22.5	2,115,000
McKenzie	95,000	90,000	26.1	27.5	2,475,000	85,000	84,500	25.8	26.0	2,197,000
McLean	170,000	170,000	34.4	34.4	5,843,000	130,000	128,500	24.1	24.4	3,138,000
Mercer	70,000	70,000	31.0	31.0	2,170,000	65,000	64,000	25.6	26.0	1,664,000
Oliver	45,000	44,000	28.8	29.5	1,298,000	50,000	49,000	23.5	24.0	1,176,000
West Central	480,000	470,000	30.4	31.0	14,570,000	430,000	420,000	23.9	24.5	10,290,000
Eddy	70,000	70,000	28.0	28.0	1,960,000	55,000	54,000	27.5	28.0	1,512,000
Foster	105,000	104,000	31.7	32.0	3,328,000	110,000	105,000	29.1	30.5	3,202,000
Kidder	90,000	90,000	21.5	21.5	1,935,000	75,000	74,000	23.2	23.5	1,739,000
Sheridan	110,000	109,000	27.7	28.0	3,052,000	115,000	114,000	23.8	24.0	2,736,000
Stutsman	270,000	267,000	31.0	31.3	8,360,000	280,000	279,000	31.2	31.3	8,732,000
Wells	165,000	165,000	31.0	31.0	5,115,000	165,000	159,000	27.0	28.0	4,452,000
Central	810,000	805,000	29.3	29.5	23,750,000	800,000	785,000	28.0	28.5	22,373,000
Barnes	240,000	239,000	31.4	31.5	7,529,000	260,000	260,000	34.0	34.0	8,840,000
Cass	280,000	276,000	33.3	33.8	9,329,000	265,000	263,000	42.7	43.0	11,306,000
Griggs	95,000	95,000	29.5	29.5	2,802,000	105,000	102,000	29.1	30.0	3,060,000
Steele	115,000	115,000	36.0	36.0	4,140,000	125,000	122,000	34.6	35.5	4,331,000
Traill	140,000	140,000	37.0	37.0	5,180,000	135,000	133,000	40.4	41.0	5,453,000
East Central	870,000	865,000	33.3	33.5	28,980,000	890,000	880,000	37.1	37.5	32,990,000
Adams	95,000	90,000	22.7	24.0	2,160,000	110,000	107,000	27.7	28.5	3,050,000
Billings	35,000	34,000	25.3	26.0	884,000	30,000	29,000	23.7	24.5	710,000
Bowman	75,000	72,000	22.1	23.0	1,656,000	88,000	84,000	23.9	25.0	2,100,000
Golden Valley	50,000	48,000	22.1	23.0	1,104,000	57,000	56,500	27.8	28.0	1,582,000
Hettinger	190,000	188,000	30.5	30.9	5,800,000	170,000	165,000	26.2	26.9	4,446,000
Slope	75,000	74,000	25.7	26.0	1,924,000	70,000	69,500	28.3	28.5	1,981,000
Stark	140,000	134,000	26.8	28.0	3,752,000	145,000	144,000	26.3	26.5	3,816,000
Southwest	660,000	640,000	26.2	27.0	17,280,000	670,000	655,000	26.4	27.0	17,685,000
Burleigh	150,000	144,000	23.5	24.5	3,528,000	125,000	120,000	22.6	23.5	2,820,000
Emmons	175,000	171,000	20.8	21.2	3,632,000	170,000	167,500	23.9	24.3	4,071,000
Grant	105,000	98,000	22.9	24.5	2,401,000	95,000	92,500	24.3	25.0	2,312,000
Morton	130,000	118,000	27.7	30.5	3,599,000	125,000	121,000	27.1	28.0	3,388,000
Sioux	40,000	34,000	17.0	20.0	680,000	25,000	19,000	16.4	21.5	409,000
South Central	600,000	565,000	23.1	24.5	13,840,000	540,000	520,000	24.1	25.0	13,000,000
Dickey	105,000	102,000	19.0	19.5	1,990,000	110,000	109,000	27.7	28.0	3,052,000
LaMoure	130,000	127,000	24.4	25.0	3,175,000	160,000	160,000	30.0	30.0	4,800,000
Logan	90,000	89,000	25.7	26.0	2,314,000	100,000	100,000	25.0	25.0	2,500,000
McIntosh	120,000	116,000	21.3	22.0	2,552,000	125,000	121,000	21.8	22.5	2,722,000
Ransom	95,000	92,000	27.1	28.0	2,576,000	90,000	90,000	31.5	31.5	2,835,000
Richland	195,000	192,000	28.7	29.1	5,591,000	170,000	170,000	42.7	42.7	7,256,000
Sargent	65,000	62,000	20.0	21.0	1,302,000	75,000	75,000	32.0	32.0	2,400,000
Southeast	800,000	780,000	24.4	25.0	19,500,000	830,000	825,000	30.8	31.0	25,565,000
STATE	6,500,000	6,400,000	30.5	31.0	198,400,000	6,200,000	6,100,000	30.5	31.0	189,100,000

SPRING WHEAT CONT.

Other Than Durum, North Dakota, 1986

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	90,800	90,800	33.2	33.2	3,015,400	14,200	14,200	39.1	39.1	554,600
Divide	41,800	41,800	33.1	33.1	1,383,600	2,700	2,700	27.9	27.9	75,200
Mountrail	40,300	40,300	38.3	38.3	1,544,000	14,700	14,700	35.3	35.3	519,000
Renville	85,600	85,600	40.5	40.5	3,470,500	29,400	29,400	34.5	34.5	1,014,500
Ward	83,500	83,500	41.0	41.0	3,419,600	76,000	76,000	36.8	36.8	2,797,400
Williams	181,500	181,500	31.2	31.2	5,655,200	5,500	5,500	25.3	25.3	139,300
Northwest	523,500	523,500	35.3	35.3	18,488,300	142,500	142,500	35.8	35.8	5,100,000
Benson	32,800	32,800	28.9	28.9	947,300	36,800	36,800	25.2	25.2	926,300
Bottineau	61,300	61,300	36.1	36.1	2,214,000	43,700	43,700	34.6	34.6	1,513,000
McHenry	76,400	76,400	29.9	29.9	2,285,400	73,300	73,300	26.4	26.4	1,936,400
Pierce	49,500	49,500	26.7	26.7	1,323,900	40,500	40,500	22.9	22.9	926,100
Rolette	8,200	8,200	33.3	33.3	273,200	16,800	16,800	35.8	35.8	601,800
North Central	228,200	228,200	30.9	30.9	7,043,800	211,100	211,100	28.0	28.0	5,903,600
Cavalier	100,800	100,800	39.8	39.8	4,012,000	109,200	109,200	36.3	36.3	3,968,000
Grand Forks	79,400	79,400	37.4	37.4	2,967,100	144,600	144,600	40.1	40.1	5,802,900
Nelson	57,000	57,000	32.8	32.8	1,870,400	68,000	68,000	31.3	31.3	2,129,600
Pembina	67,700	67,700	39.7	39.7	2,690,300	172,300	172,300	38.7	38.7	6,669,700
Ramsey	56,100	53,400	33.2	34.9	1,865,100	53,800	51,500	26.7	27.9	1,437,900
Towner	8,300	8,300	31.1	31.1	257,800	11,700	11,700	31.0	31.0	362,200
Walsh	70,600	70,600	39.7	39.7	2,799,600	169,300	169,300	40.1	40.1	6,795,900
Northeast	439,900	437,200	37.4	37.7	16,462,300	728,900	726,600	37.3	37.4	27,166,200
Dunn	70,800	68,800	30.3	31.2	2,143,600	29,200	27,200	21.9	23.5	640,400
McKenzie	81,500	76,900	23.4	24.8	1,909,600	8,000	7,700	25.5	26.4	203,600
McLean	93,500	93,500	35.2	35.2	3,288,900	75,200	75,200	33.3	33.3	2,500,800
Mercer	55,200	55,200	32.2	32.2	1,775,700	14,700	14,700	26.6	26.6	390,300
Oliver	27,400	26,700	32.5	33.4	891,300	17,300	17,000	22.8	23.2	393,800
West Central	328,400	321,100	30.5	31.2	10,009,100	144,400	141,800	28.6	29.1	4,128,900
Eddy	26,500	26,500	31.9	31.9	846,400	43,000	43,000	25.4	25.4	1,093,600
Foster	44,400	44,000	33.5	33.8	1,488,600	60,100	59,500	30.3	30.6	1,818,900
Kidder	30,500	30,500	24.0	24.0	731,900	57,500	57,500	19.2	19.2	1,106,100
Sheridan	64,600	64,200	28.9	29.1	1,867,400	45,400	44,800	26.1	26.4	1,184,600
Stutsman	126,400	124,500	33.6	34.1	4,242,800	143,500	142,400	28.7	28.9	4,113,000
Wells	77,400	77,400	34.1	34.1	2,642,300	87,600	87,600	28.2	28.2	2,472,700
Central	369,800	367,100	32.0	32.2	11,819,400	437,100	434,800	27.0	27.1	11,788,900
Barnes	84,500	84,100	32.4	32.6	2,739,200	154,800	154,200	30.8	30.9	4,765,300
Cass	56,800	56,300	31.0	31.3	1,763,400	221,500	218,000	33.9	34.4	7,504,400
Griggs	47,400	47,400	31.0	31.0	1,470,800	47,100	47,100	27.8	27.8	1,311,200
Steele	44,000	44,000	37.9	37.9	1,666,800	70,600	70,600	34.8	34.8	2,455,200
Traill	37,200	37,200	37.8	37.8	1,406,900	102,700	102,700	36.7	36.7	3,768,100
East Central	269,900	269,000	33.5	33.6	9,047,100	596,700	592,600	33.2	33.4	19,804,200
Adams	64,100	61,800	23.6	24.5	1,515,300	30,900	28,200	20.9	22.9	644,700
Billings	28,600	27,900	26.2	26.9	749,500	6,400	6,100	21.0	22.0	134,500
Bowman	59,700	57,200	22.2	23.1	1,323,700	15,300	14,800	21.7	22.5	332,300
Golden Valley	44,300	42,400	22.0	23.0	973,700	5,700	5,600	22.9	23.3	130,300
Hettinger	135,500	134,000	30.5	30.8	4,126,200	54,500	54,000	30.7	31.0	1,673,800
Slope	54,300	54,000	26.7	26.9	1,452,100	20,700	20,000	22.8	23.6	471,900
Stark	92,000	88,900	28.9	29.9	2,654,300	48,000	45,100	22.9	24.3	1,097,700
Southwest	478,500	466,200	26.7	27.4	12,794,800	181,500	173,800	24.7	25.8	4,485,200
Burleigh	66,600	65,100	27.3	27.9	1,816,800	83,300	78,800	20.5	21.6	1,705,200
Emmons	70,500	67,400	23.4	24.5	1,648,800	103,500	102,600	18.6	18.8	1,929,200
Grant	65,900	64,800	24.9	25.3	1,642,400	39,000	33,100	19.3	22.8	754,100
Morton	75,800	71,800	31.2	32.9	2,361,300	54,200	46,200	22.8	26.8	1,237,700
Sioux	23,500	19,200	16.9	20.7	397,500	16,300	14,600	16.8	18.8	274,500
South Central	302,300	288,300	26.0	27.3	7,866,800	296,300	275,300	19.9	21.4	5,900,700
Dickey	13,300	12,800	25.2	26.2	335,400	91,500	89,000	18.0	18.5	1,645,600
LaMoure	58,500	58,000	26.1	26.3	1,524,100	70,800	68,300	23.0	23.8	1,626,400
Logan	50,900	50,900	29.4	29.4	1,494,600	38,900	37,900	20.9	21.4	811,400
McIntosh	58,000	56,500	24.1	24.7	1,395,800	62,000	59,500	18.6	19.4	1,156,200
Ransom	30,800	29,400	30.3	31.8	933,800	63,500	61,900	25.3	25.9	1,603,700
Richland	16,200	16,100	28.7	28.8	464,400	178,800	175,900	28.7	29.1	5,126,600
Sargent	15,500	13,600	16.2	18.4	250,900	49,500	48,400	21.2	21.7	1,051,100
Southeast	243,200	237,300	26.3	27.0	6,399,000	555,000	540,900	23.5	24.1	13,021,000
STATE	3,183,700	3,137,900	31.4	31.8	99,930,600	3,293,500	3,239,400	29.5	30.0	97,298,700

1/ See page 60 for irrigated acres.

SPRING WHEAT CONT.

Other than Durum, North Dakota, 1987 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	65,400	64,500	22.0	22.3	1,437,000	14,600	14,500	23.4	23.5	341,000
Divide	30,700	28,700	24.7	26.4	757,600	4,300	4,300	27.3	27.3	117,400
Mountrail	20,800	20,300	17.4	17.8	361,300	4,200	3,700	16.8	19.1	70,700
Renville	80,300	79,900	26.9	27.1	2,163,000	29,700	29,600	19.3	19.4	574,000
Ward	86,000	86,000	26.5	26.5	2,275,000	63,700	58,700	17.6	19.1	1,118,500
Williams	149,000	148,700	23.0	23.0	3,422,900	9,000	8,800	17.2	17.6	155,100
Northwest	432,200	428,100	24.1	24.3	10,416,800	125,500	119,600	18.9	19.9	2,376,700
Benson	25,700	25,700	26.6	26.6	683,100	23,400	23,400	21.9	21.9	513,100
Bottineau	58,200	57,000	30.0	30.6	1,744,000	35,600	34,800	23.1	23.7	824,000
McHenry	84,400	83,000	22.1	22.4	1,863,000	60,300	56,700	17.5	18.6	1,053,200
Pierce	48,300	47,200	22.2	22.7	1,072,100	37,700	36,800	16.1	16.5	607,900
Rolette	6,500	5,800	21.5	24.1	139,800	8,500	8,200	22.3	23.1	189,200
North Central	223,100	218,700	24.7	25.2	5,502,000	165,500	159,900	19.3	19.9	3,187,400
Cavalier	99,000	99,000	41.8	41.8	4,134,600	101,000	101,000	39.3	39.3	3,965,400
Grand Forks	80,800	80,400	41.8	42.0	3,379,700	133,600	132,000	43.1	43.6	5,752,300
Nelson	51,400	50,900	35.9	36.3	1,847,600	45,600	45,100	31.1	31.4	1,416,400
Pembina	73,100	73,100	47.0	47.0	3,433,400	151,900	151,900	46.3	46.3	7,028,600
Ramsey	47,800	47,200	34.3	34.7	1,638,300	42,200	41,800	31.8	32.1	1,343,700
Towner	9,800	9,600	36.3	37.0	355,300	13,200	12,900	34.4	35.2	454,700
Walsh	78,500	78,200	43.8	44.0	3,437,000	161,400	161,200	45.3	45.4	7,314,000
Northeast	440,400	438,400	41.4	41.6	18,225,900	648,900	645,900	42.0	42.2	27,275,100
Dunn	68,100	65,100	23.1	24.2	1,572,900	31,900	28,900	17.0	18.8	542,100
McKenzie	73,200	72,700	23.5	23.6	1,717,400	7,000	7,000	22.2	22.2	155,600
McLean	79,800	79,100	26.6	26.8	2,120,400	48,800	48,000	19.7	20.0	960,200
Mercer	52,000	51,800	28.0	28.1	1,457,700	12,900	12,100	15.7	16.8	202,800
Oliver	32,000	31,300	26.6	27.2	852,000	17,900	17,600	17.9	18.2	320,000
West Central	305,100	300,000	25.3	25.7	7,720,400	118,500	113,600	18.4	19.2	2,180,700
Eddy	17,900	17,600	29.1	29.6	521,500	36,600	35,900	26.6	27.1	973,000
Foster	51,400	50,500	30.7	31.2	1,576,500	57,800	53,700	27.6	29.7	1,597,500
Kidder	33,000	32,400	26.4	26.9	871,800	40,900	40,500	20.0	20.2	819,300
Sheridan	65,600	65,300	26.0	26.1	1,702,700	49,400	48,700	20.9	21.2	1,033,300
Stutsman	129,900	129,900	34.3	34.3	4,450,000	149,800	148,800	28.5	28.7	4,267,900
Wells	89,100	84,700	29.3	30.8	2,606,400	75,900	74,300	24.3	24.8	1,845,600
Central	386,900	380,400	30.3	30.8	11,728,900	410,400	401,900	25.7	26.2	10,536,600
Barnes	117,000	117,000	37.3	37.3	4,363,100	142,500	142,500	31.3	31.3	4,456,900
Cass	71,600	71,400	43.6	43.7	3,121,700	191,700	189,900	42.3	42.7	8,110,300
Griggs	53,900	52,400	30.9	31.8	1,667,200	50,500	49,000	27.1	28.0	1,370,000
Steele	56,300	55,400	36.1	36.7	2,031,800	68,300	66,200	33.4	34.5	2,283,200
Traill	42,900	42,100	41.5	42.2	1,778,400	92,000	90,800	39.9	40.4	3,670,100
East Central	341,700	338,300	37.9	38.3	12,962,200	545,000	538,400	36.5	36.9	19,890,500
Adams	86,200	83,900	29.3	30.1	2,528,000	23,800	23,100	21.9	22.6	522,000
Billings	23,900	23,300	25.9	26.6	619,200	6,100	5,700	14.9	15.9	90,800
Bowman	74,400	71,000	25.1	26.3	1,867,700	13,600	13,000	17.1	17.9	232,300
Golden Valley	46,200	46,000	28.3	28.4	1,307,600	10,800	10,500	25.4	26.1	274,400
Hettinger	116,100	112,800	27.0	27.8	3,136,400	53,900	52,200	24.3	25.1	1,309,600
Slope	52,700	52,300	29.8	30.0	1,571,500	17,300	17,200	23.7	23.8	409,500
Stark	95,400	95,100	28.1	28.2	2,684,500	49,600	48,900	22.8	23.1	1,131,500
Southwest	494,900	484,400	27.7	28.3	13,714,900	175,100	170,600	22.7	23.3	3,970,100
Burleigh	62,000	59,500	25.5	26.6	1,581,500	62,900	60,400	19.6	20.4	1,234,000
Emmons	64,400	64,300	27.1	27.1	1,743,100	104,600	102,200	21.7	22.2	2,272,900
Grant	61,800	60,600	25.7	26.2	1,587,800	33,200	31,900	21.8	22.7	724,200
Morton	79,500	76,900	28.3	29.3	2,250,100	45,400	44,000	25.0	25.8	1,133,900
Sioux	13,700	10,500	18.9	24.7	259,200	10,900	8,100	12.3	16.5	133,800
South Central	281,400	271,800	26.4	27.3	7,421,700	257,000	246,600	21.4	22.3	5,498,800
Dickey	36,700	36,000	29.8	30.4	1,092,600	73,000	72,700	26.6	26.7	1,939,900
LaMoure	75,500	75,500	31.6	31.6	2,386,200	84,300	84,300	28.5	28.5	2,403,800
Logan	52,700	52,700	27.2	27.2	1,433,500	46,900	46,900	22.2	22.2	1,042,500
McIntosh	62,800	60,900	25.0	25.8	1,570,100	62,200	60,100	18.5	19.2	1,151,900
Ransom	32,900	32,900	35.4	35.4	1,166,200	56,400	56,400	29.0	29.0	1,633,800
Richland	34,000	34,000	42.1	42.1	1,431,400	136,000	136,000	42.8	42.8	5,824,600
Sargent	20,800	20,800	37.5	37.5	780,900	54,100	54,100	29.8	29.8	1,614,100
Southeast	315,400	312,800	31.3	31.5	9,860,900	512,900	510,500	30.4	30.6	15,610,600
STATE	3,221,100	3,172,900	30.3	30.7	97,553,700	2,958,800	2,907,000	30.6	31.1	90,526,500

1/ See page 61 for irrigated acres

DURUM WHEAT

North Dakota, 1986 (Revised) and 1987

District and County	1986					1987				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	55,000	53,500	33.1	34.0	1,819,000	75,000	74,500	23.3	23.5	1,751,000
Divide	150,000	147,000	33.8	34.5	5,070,000	165,000	161,000	29.3	30.0	4,830,000
Mountrail	175,000	173,000	37.5	38.0	6,569,000	200,000	198,000	19.3	19.4	3,850,000
Renville	65,000	64,500	34.2	34.5	2,225,000	70,000	69,500	21.3	21.5	1,494,000
Ward	210,000	209,000	35.3	35.5	7,412,000	210,000	193,000	16.5	18.0	3,474,000
Williams	85,000	83,000	33.2	34.0	2,820,000	120,000	119,000	24.8	25.0	2,975,000
Northwest	740,000	730,000	35.0	35.5	25,915,000	840,000	815,000	21.9	22.5	18,374,000
Benson	145,000	140,000	28.5	29.5	4,130,000	175,000	174,500	25.4	25.5	4,450,000
Bottineau	220,000	215,000	34.4	35.2	7,558,000	210,000	207,500	21.4	21.7	4,498,000
McHenry	31,000	27,000	26.6	30.5	824,000	30,000	29,000	17.4	18.0	522,000
Pierce	64,000	62,000	25.7	26.5	1,643,000	70,000	68,500	18.6	19.0	1,302,000
Rolette	110,000	106,000	31.3	32.5	3,445,000	105,000	102,500	24.9	25.5	2,614,000
North Central	570,000	550,000	30.9	32.0	17,600,000	590,000	582,000	22.7	23.0	13,386,000
Cavalier	120,000	112,000	28.9	31.0	3,472,000	145,000	144,000	38.2	38.5	5,544,000
Grand Forks	12,000	12,000	37.5	37.5	450,000	13,000	12,700	39.1	40.0	508,000
Nelson	79,000	77,000	28.8	29.5	2,272,000	105,000	103,500	30.6	31.0	3,209,000
Pembina	1,000	1,000	44.0	44.0	44,000	6,000	6,000	42.0	42.0	252,000
Ramsey	165,000	158,000	28.2	29.5	4,661,000	175,000	174,500	28.1	28.2	4,923,000
Towner	210,000	198,000	25.2	26.8	5,299,000	210,000	209,500	29.9	30.0	6,285,000
Walsh	33,000	32,000	27.6	28.5	912,000	26,000	25,800	35.7	36.0	929,000
Northeast	620,000	590,000	27.5	29.0	17,110,000	680,000	676,000	31.8	32.0	21,650,000
Dunn	5,500	4,500	24.5	30.0	135,000	6,500	6,300	18.9	19.5	123,000
McKenzie	46,000	44,000	32.5	34.0	1,496,000	56,000	54,500	21.4	22.0	1,199,000
McLean	165,000	163,000	32.9	33.3	5,436,000	195,000	193,000	19.7	19.9	3,844,000
Mercer	13,000	13,000	35.0	35.0	455,000	12,500	12,200	23.0	23.5	287,000
Oliver	500	500	32.0	32.0	16,000	---	---	---	---	---
West Central	230,000	225,000	32.8	33.5	7,538,000	270,000	266,000	20.2	20.5	5,453,000
Eddy	8,000	7,500	26.8	28.5	214,000	15,000	14,700	24.5	25.0	367,000
Foster	14,000	13,000	24.6	26.5	344,000	9,000	8,700	26.1	27.0	235,000
Kidder	8,000	7,000	16.6	19.0	133,000	7,000	6,700	23.4	24.5	164,000
Sheridan	6,000	5,500	27.5	30.0	165,000	6,000	5,900	21.7	22.0	130,000
Stutsman	95,000	89,000	28.1	30.0	2,667,000	75,000	74,500	30.5	30.7	2,284,000
Wells	39,000	38,000	30.7	31.5	1,197,000	68,000	67,500	27.8	28.0	1,890,000
Central	170,000	160,000	27.9	29.5	4,720,000	180,000	178,000	28.2	28.5	5,070,000
Barnes	17,000	15,500	28.7	31.5	488,000	15,000	14,800	31.1	31.5	466,000
Cass	25,000	22,000	28.6	32.5	715,000	34,000	33,800	42.4	42.7	1,443,000
Griggs	7,500	7,000	23.3	25.0	175,000	12,000	11,800	29.5	30.0	354,000
Steele	4,500	4,500	34.0	34.0	153,000	8,000	7,900	28.1	28.5	225,000
Traill	6,000	6,000	24.5	24.5	147,000	11,000	10,700	36.0	37.0	396,000
East Central	60,000	55,000	28.0	30.5	1,678,000	80,000	79,000	36.1	36.5	2,884,000
Adams	10,500	8,300	23.0	29.0	241,000	4,000	4,000	30.0	30.0	120,000
Bowman	20,500	20,000	28.8	29.5	590,000	17,000	16,600	27.4	28.0	465,000
Golden Valley	10,000	9,200	27.1	29.5	271,000	17,000	16,900	27.8	28.0	473,000
Hettinger	22,500	22,000	34.4	35.2	774,000	31,000	29,000	23.4	25.0	726,000
Slope	8,500	8,000	28.2	30.0	240,000	16,000	15,700	31.9	32.5	510,000
Stark	13,000	12,500	34.2	35.5	444,000	15,000	14,800	28.1	28.5	422,000
Southwest	85,000	80,000	30.1	32.0	2,560,000	100,000	97,000	27.2	28.0	2,716,000
Burleigh	10,000	10,000	29.5	29.5	295,000	13,000	12,500	26.0	27.0	338,000
Emmons	4,400	3,500	16.6	20.9	73,000	5,000	5,000	21.0	21.0	105,000
Grant	2,400	2,300	26.3	27.4	63,000	4,500	4,400	24.4	25.0	110,000
Morton	1,900	1,200	15.8	25.0	30,000	5,000	4,900	26.0	26.5	130,000
Sioux	6,300	6,000	18.1	19.0	114,000	7,500	7,200	17.7	18.5	133,000
South Central	25,000	23,000	23.0	25.0	575,000	35,000	34,000	23.3	24.0	816,000
Dickey	32,000	29,000	26.6	29.3	851,000	13,000	12,200	20.2	21.5	262,000
LaMoure	24,000	19,200	19.2	24.0	461,000	25,000	24,900	26.9	27.0	672,000
Logan	6,700	5,300	21.3	27.0	143,000	10,000	9,800	25.0	25.5	250,000
McIntosh	13,000	11,000	17.8	21.0	231,000	9,000	8,600	20.6	21.5	185,000
Ransom	3,800	3,500	27.6	30.0	105,000	8,000	7,700	31.3	32.5	250,000
Richland	8,500	7,900	28.4	30.5	241,000	29,000	29,000	42.5	42.5	1,232,000
Sargent	12,000	11,100	22.7	24.5	272,000	31,000	30,800	29.0	29.2	900,000
Southeast	100,000	87,000	23.0	26.5	2,304,000	125,000	123,000	30.0	30.5	3,751,000
STATE	2,600,000	2,500,000	30.8	32.0	80,000,000	2,900,000	2,850,000	25.6	26.0	74,100,000

DURUM WHEAT CONT.

North Dakota, 1986 (Revised) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	47,700	46,400	34.1	35.0	1,626,000	7,300	7,100	26.4	27.2	193,000
Divide	143,000	140,200	33.8	34.5	4,835,500	5,800	5,700	28.7	29.2	166,300
Mountrail	135,600	133,900	37.7	38.2	5,115,900	39,400	39,100	36.9	37.2	1,453,100
Renville	48,600	48,200	34.9	35.2	1,694,700	16,400	16,300	32.3	32.5	530,300
Ward	116,300	116,300	37.6	37.6	4,370,000	93,700	92,700	32.5	32.8	3,042,000
Williams	80,600	78,600	33.1	33.9	2,664,800	3,300	3,300	31.1	31.1	102,500
Northwest	571,800	563,600	35.5	36.0	20,306,900	165,900	164,200	33.1	33.4	5,487,200
Benson	79,900	77,200	30.2	31.3	2,416,500	63,800	61,500	26.1	27.1	1,668,000
Bottineau	125,200	121,900	35.3	36.3	4,422,700	94,800	93,100	33.1	33.7	3,135,300
McHenry	15,300	13,800	27.8	30.9	426,100	15,700	13,200	25.3	30.1	397,900
Pierce	34,500	33,800	28.1	28.7	969,200	29,500	28,200	22.8	23.9	673,800
Rolette	55,300	53,400	33.5	34.6	1,849,900	54,700	52,600	29.2	30.3	1,595,100
North Central	310,200	300,100	32.5	33.6	10,084,400	258,500	248,600	28.9	30.0	7,470,100
Cavalier	58,700	53,600	29.5	32.3	1,730,800	61,300	58,400	28.4	29.8	1,741,200
Grand Forks	5,400	5,400	35.2	35.2	190,000	6,600	6,600	39.4	39.4	260,000
Nelson	38,200	37,300	29.7	30.5	1,136,400	40,800	39,700	27.8	28.6	1,135,600
Pembina	0	0	0.0	0.0	0	1,000	1,000	44.0	44.0	44,000
Ramsey	88,900	85,400	29.4	30.6	2,614,300	76,000	72,500	26.9	28.2	2,042,700
Towner	102,700	97,700	27.7	29.1	2,846,400	107,300	100,300	22.9	24.5	2,452,600
Walsh	13,100	12,900	32.7	33.2	428,000	19,900	19,100	24.3	25.3	484,000
Northeast	307,000	292,300	29.1	30.6	8,945,900	312,900	297,600	26.1	27.4	8,160,100
Dunn	4,400	4,000	27.9	30.7	122,600	1,100	500	11.3	24.8	12,400
McKenzie	39,600	38,400	34.5	35.6	1,366,300	6,400	5,600	20.3	23.2	129,700
McLean	102,500	100,900	34.9	35.5	3,580,900	61,500	61,100	29.4	29.6	1,811,100
Mercer	9,900	9,900	36.1	36.1	357,700	3,100	3,100	31.4	31.4	97,300
Oliver	0	0	0.0	0.0	0	500	500	32.0	32.0	16,000
West Central	156,400	153,200	34.7	35.4	5,427,500	72,600	70,800	28.5	29.2	2,066,500
Eddy	4,300	4,300	29.1	29.1	125,200	3,700	3,200	24.0	27.8	88,800
Foster	5,400	5,000	23.9	25.8	128,800	8,400	7,800	24.8	26.7	208,200
Kidder	2,200	2,000	27.5	30.3	60,500	5,800	5,000	12.5	14.5	72,500
Sheridan	4,700	4,200	27.9	31.2	131,000	1,300	1,300	26.2	26.2	34,000
Stutsman	27,000	25,100	29.7	31.9	800,800	67,900	63,800	27.4	29.2	1,862,200
Wells	20,500	19,600	31.3	32.7	641,400	18,500	18,400	30.0	30.2	555,600
Central	64,100	60,200	29.4	31.4	1,887,700	105,600	99,500	26.7	28.4	2,821,300
Barnes	2,300	2,100	32.3	35.3	74,200	14,700	13,400	28.1	30.9	413,800
Cass	5,600	4,800	25.5	29.8	143,000	18,800	16,600	29.0	32.8	545,000
Griggs	2,900	2,700	24.8	26.6	71,800	4,600	4,300	22.4	24.0	103,200
Steele	1,000	1,000	34.0	34.0	34,000	3,400	3,400	33.5	33.5	114,000
Traill	1,100	1,100	31.3	31.3	34,400	4,900	4,900	23.0	23.0	112,600
East Central	12,900	11,700	27.7	30.5	357,400	46,400	42,600	27.8	30.2	1,288,600
Adams	7,600	6,400	26.1	31.0	198,500	2,900	1,900	14.7	22.4	42,500
Billings	0	0	0.0	0.0	0	0	0	0.0	0.0	0
Bowman	16,400	16,000	29.1	29.8	477,200	4,100	4,000	27.5	28.2	112,800
Golden Valley	9,800	9,000	27.2	29.6	266,100	200	200	24.5	24.5	4,900
Hettinger	16,900	16,500	35.1	36.0	593,500	5,600	5,500	32.2	32.8	180,500
Slope	6,500	6,200	30.0	31.4	194,900	2,000	1,800	22.6	25.1	45,100
Stark	6,800	6,700	35.0	35.6	238,300	6,200	5,800	33.2	35.5	205,700
Southwest	64,000	60,800	30.8	32.4	1,968,500	21,000	19,200	28.2	30.8	591,500
Burleigh	5,100	5,100	34.9	34.9	177,900	4,900	4,900	23.9	23.9	117,100
Emmons	1,200	1,000	22.5	27.0	27,000	3,200	2,500	14.4	18.4	46,000
Grant	1,300	1,200	21.5	23.3	28,000	1,100	1,100	31.8	31.8	35,000
Morton	1,100	800	21.7	29.9	23,900	800	400	7.6	15.3	6,100
Sioux	3,400	3,200	20.9	22.2	70,900	2,900	2,800	14.9	15.4	43,100
South Central	12,100	11,300	27.1	29.0	327,700	12,900	11,700	19.2	21.1	247,300
Dickey	2,500	2,000	26.2	32.8	65,500	28,700	26,200	26.7	29.2	765,500
LaMoure	12,800	9,400	18.3	25.0	234,600	11,100	9,700	20.2	23.1	224,400
Logan	4,200	3,300	23.0	29.2	96,400	2,400	1,900	18.5	23.4	44,400
McIntosh	5,600	3,900	21.1	30.4	118,400	7,400	7,100	15.2	15.9	112,600
Ransom	800	700	24.9	28.4	19,900	3,000	2,800	28.4	30.4	85,100
Richland	900	800	30.6	34.4	27,500	7,600	7,100	28.1	30.1	213,500
Sargent	2,500	2,400	18.7	19.5	46,700	9,400	8,600	23.7	25.9	223,100
Southeast	29,300	22,500	20.8	27.1	609,000	69,600	63,400	24.0	26.3	1,668,600
STATE	1,527,800	1,475,700	32.7	33.8	49,915,000	1,065,400	1,017,600	28.0	29.3	29,801,200

1/ See page 60 for irrigated acres.

DURUM WHEAT CONT.

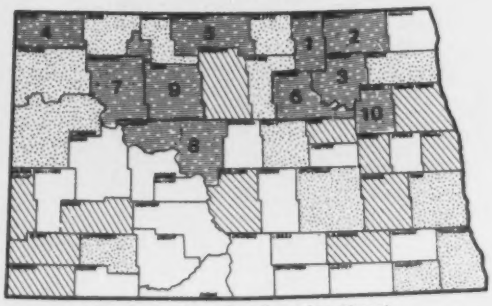
North Dakota, 1987 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	64,000	63,500	24.0	24.2	1,536,300	11,000	11,000	19.5	19.5	214,700
Divide	152,100	148,100	29.4	30.2	4,479,300	11,400	11,400	23.5	23.5	268,200
Mountrail	170,400	170,100	20.1	20.1	3,420,100	29,600	27,900	14.5	15.4	429,900
Renville	45,800	45,600	24.1	24.3	1,106,000	24,200	23,900	16.0	16.2	388,000
Ward	123,500	112,900	18.1	19.8	2,235,900	86,500	80,100	14.3	15.5	1,238,100
Williams	115,900	114,900	24.5	24.7	2,837,600	2,300	2,300	19.7	19.7	45,200
Northwest	671,700	655,100	23.2	23.8	15,615,200	165,000	156,600	15.7	16.5	2,584,100
Benson	97,000	96,700	27.0	27.1	2,620,500	77,600	77,400	23.4	23.4	1,812,900
Bottineau	115,300	115,300	24.3	24.3	2,803,700	94,700	92,200	17.9	18.4	1,694,300
McHenry	16,100	15,600	20.2	20.9	325,700	13,900	13,400	14.1	14.6	196,300
Pierce	42,100	42,100	21.1	21.1	887,600	27,900	26,400	14.9	15.7	414,400
Rolette	59,200	59,000	29.4	29.5	1,741,200	45,800	43,500	19.1	20.1	872,800
North Central	329,700	328,700	25.4	25.5	8,378,700	259,900	252,900	19.2	19.7	4,990,700
Cavalier	78,700	78,300	40.0	40.2	3,148,600	66,300	65,700	36.1	36.5	2,395,400
Grand Forks	3,500	3,400	32.0	33.0	112,100	9,500	9,300	41.7	42.6	395,900
Nelson	48,300	47,600	31.4	31.8	1,515,400	56,700	55,900	29.9	30.3	1,693,600
Pembina	1,800	1,800	46.7	46.7	84,000	4,200	4,200	40.0	40.0	168,000
Ramsey	95,700	95,300	29.8	29.9	2,850,300	79,300	79,200	26.1	26.2	2,072,700
Towner	110,700	110,400	30.7	30.8	3,397,100	99,300	99,100	29.1	29.1	2,887,900
Walsh	7,500	7,400	33.6	34.1	252,000	18,500	18,400	36.6	36.8	677,000
Northeast	346,200	344,200	32.8	33.0	11,359,500	333,800	331,800	30.8	31.0	10,290,500
Dunn	4,900	4,700	19.4	20.2	95,100	1,600	1,600	17.4	17.4	27,900
McKenzie	47,600	46,300	22.0	22.6	1,047,100	8,400	8,200	18.1	18.5	151,900
McLean	130,300	129,000	21.9	22.1	2,852,100	64,200	63,500	15.1	15.3	971,900
Mercer	8,800	8,700	26.0	26.3	229,000	3,700	3,500	15.7	16.6	58,000
West Central	191,600	188,700	22.0	22.4	4,223,300	77,900	76,800	15.5	15.8	1,209,700
Eddy	6,000	5,900	25.1	25.6	150,800	9,000	8,800	24.0	24.6	216,200
Foster	3,200	3,200	30.2	30.2	96,500	5,800	5,500	23.9	25.2	138,500
Kidder	2,800	2,700	28.4	29.5	79,600	4,200	4,000	20.1	21.1	84,400
Sheridan	3,000	3,000	23.5	23.5	70,500	3,000	2,900	19.8	20.5	59,500
Stutsman	29,400	29,400	34.9	34.9	1,025,500	45,600	45,100	27.6	27.9	1,258,500
Wells	34,900	34,600	30.8	31.0	1,073,400	33,100	32,900	24.7	24.8	816,600
Central	79,300	78,800	31.5	31.7	2,496,300	100,700	99,200	25.6	25.9	2,573,700
Barnes	3,800	3,700	36.2	37.2	137,500	11,200	11,100	29.3	29.6	328,500
Cass	4,800	4,800	38.5	38.5	185,000	29,200	29,000	43.1	43.4	1,258,000
Griggs	5,500	5,400	31.7	32.2	174,100	6,400	6,300	27.5	27.9	175,900
Steele	1,700	1,700	34.2	34.2	58,200	6,200	6,100	26.1	26.5	161,800
Traill	2,700	2,700	35.0	35.0	94,500	8,300	8,000	36.3	37.7	301,500
East Central	18,500	18,300	35.1	35.5	649,300	61,300	60,500	36.3	36.8	2,225,700
Adams	2,900	2,900	31.0	31.0	89,900	1,100	1,100	27.4	27.4	30,100
Bowman	14,100	13,800	29.2	29.9	412,200	2,900	2,800	18.2	18.9	52,800
Golden Valley	15,300	15,200	28.2	28.4	431,800	1,700	1,700	24.2	24.2	41,200
Hettinger	23,300	21,800	24.0	25.7	559,400	7,700	7,200	21.6	23.1	166,600
Slope	12,000	11,800	33.1	33.6	396,900	4,000	3,900	28.3	29.0	113,100
Stark	13,200	13,000	29.1	29.5	383,700	1,800	1,800	21.3	21.3	38,300
Southwest	80,800	78,500	28.1	29.0	2,273,900	19,200	18,500	23.0	23.9	442,100
Burleigh	5,800	5,800	29.1	29.1	169,000	7,200	6,700	23.5	25.2	169,000
Emmons	1,800	1,800	19.6	19.6	35,200	3,200	3,200	21.8	21.8	69,800
Grant	2,500	2,400	23.0	24.0	57,600	2,000	2,000	26.2	26.2	52,400
Morton	2,800	2,700	29.4	30.4	82,200	2,200	2,200	21.7	21.7	47,800
Sioux	3,800	3,600	18.5	19.5	70,300	3,700	3,600	16.9	17.4	62,700
South Central	16,700	16,300	24.8	25.4	414,300	18,300	17,700	22.0	22.7	401,700
Dickey	5,100	4,400	20.4	23.7	104,100	7,500	7,400	18.2	18.5	136,700
LaMoure	8,900	8,800	30.1	30.5	268,000	15,800	15,800	24.6	24.6	389,000
Logan	3,800	3,800	29.2	29.2	111,100	6,200	6,000	22.4	23.2	138,900
McIntosh	3,300	3,300	25.4	25.4	83,800	5,700	5,300	17.8	19.1	101,200
Ransom	2,100	2,100	30.1	30.1	63,300	5,900	5,600	31.6	33.3	186,700
Richland	2,900	2,900	38.0	38.0	110,200	26,100	26,100	43.0	43.0	1,121,800
Sargent	5,300	5,300	36.0	36.0	190,900	25,700	25,500	27.6	27.8	709,100
Southeast	31,400	30,600	29.7	30.4	931,400	92,900	91,700	30.0	30.4	2,783,400
STATE	1,765,900	1,739,200	26.2	26.6	46,341,900	1,129,000	1,105,700	24.4	24.9	27,501,600

1/ See page 61 for irrigated acres.

DURUM - 1987

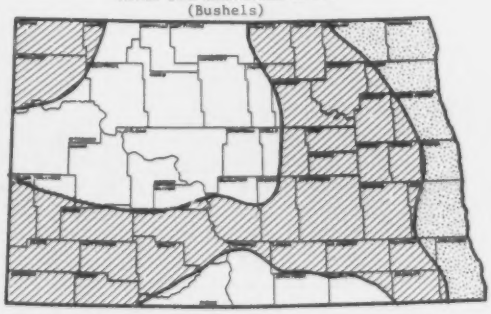
PRODUCTION



(Rank of First Ten Counties Shown)

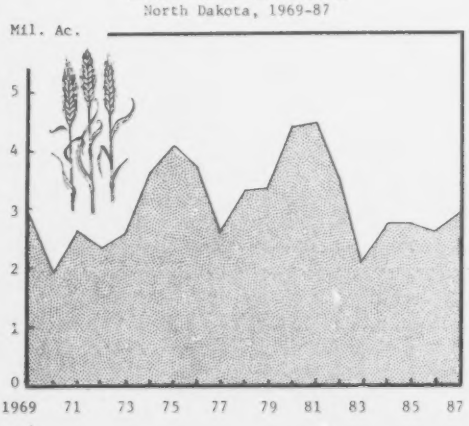
Under 300,000 bu.
300,000 - 699,999 bu.
7,000,000 - 2,999,999 bu.
3,000,000 bu. & over

YIELD PER HARVESTED ACRE
(Bushels)



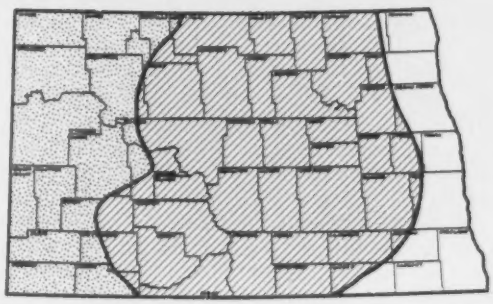
Under 25.0 bu.
25.0 - 34.9 bu.
35.0 bu. & over

DURUM WHEAT PLANTED ACRES
North Dakota, 1969-87



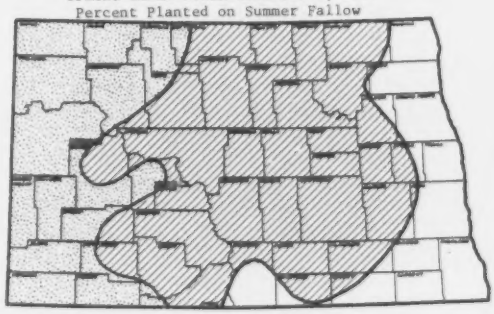
PERCENT ON SUMMER FALLOW

ALL WHEAT, 1987
Percent Planted on Summer Fallow



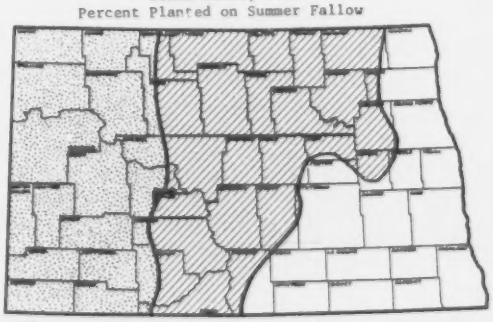
Under 40 percent
40 - 69 percent
70 percent & over

SPRING WHEAT OTHER THAN DURUM, 1987
Percent Planted on Summer Fallow



Under 40 percent
40 - 69 percent
70 percent & over

DURUM WHEAT, 1987
Percent Planted on Summer Fallow



Under 40 percent
40 - 69 percent
70 percent & over

WINTER WHEAT

North Dakota, 1986 and 1987

District and County	1986					1987				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	4,000	2,700	19.9	29.5	79,700	1,200	1,200	25.0	25.0	30,000
Divide	8,000	7,800	26.3	27.0	210,600	4,300	4,100	24.8	26.0	106,600
Mountrail	5,000	4,500	27.5	30.5	137,300	1,500	1,400	20.1	21.5	30,100
Renville	2,500	2,400	26.4	27.5	66,000	---	---	---	---	---
Ward	2,500	2,400	28.8	30.0	72,000	1,900	1,700	26.5	29.6	50,300
Williams	28,000	25,200	20.8	23.1	581,400	6,600	6,300	22.9	24.0	151,000
Northwest	50,000	45,000	22.9	25.5	1,147,000	15,500	14,700	23.7	25.0	368,000
Benson	3,000	2,900	26.1	27.0	78,300	1,300	1,200	20.0	21.7	26,000
Bottineau	7,000	6,500	31.6	34.0	221,000	7,000	6,700	28.7	30.0	201,000
McHenry	6,000	5,800	26.2	27.1	157,200	4,000	3,700	20.8	22.4	83,000
Pierce	3,000	2,800	26.2	28.0	78,500	400	200	12.5	25.0	5,000
Rolette	1,000	1,000	35.0	35.0	35,000	800	700	20.0	22.9	16,000
North Central	20,000	19,000	28.5	30.0	570,000	13,500	12,500	24.5	26.5	331,000
Cavalier	500	500	30.0	30.0	15,000	300	300	41.7	41.7	12,500
Grand Forks	3,500	3,200	36.6	40.0	128,000	2,400	2,300	42.7	44.5	102,400
Nelson	3,000	2,600	22.5	25.9	67,400	800	700	30.6	35.0	24,500
Pembina	1,000	1,000	40.0	40.0	40,000	---	---	---	---	---
Ramsey	2,000	1,800	24.3	27.0	48,600	1,800	1,600	37.3	42.0	67,200
Towner	4,000	3,000	21.0	28.0	84,000	2,800	2,700	37.0	38.4	103,700
Walsh	1,000	900	27.0	30.0	27,000	1,900	1,800	39.3	41.5	74,700
Northeast	15,000	13,000	27.3	31.5	410,000	10,000	9,400	38.5	41.0	385,000
Dunn	6,500	6,500	28.0	28.0	182,000	1,600	1,200	24.4	32.5	39,000
McKenzie	10,500	9,500	19.2	21.2	201,400	6,200	5,900	28.1	29.5	174,100
McLean	15,000	14,100	29.6	31.5	444,000	7,000	6,700	27.7	29.0	194,000
Mercer	500	500	30.0	30.0	15,000	200	100	12.5	25.0	2,500
Oliver	2,500	2,400	32.6	34.0	81,600	1,000	900	19.4	21.6	19,400
West Central	35,000	33,000	26.4	28.0	924,000	16,000	14,800	26.8	29.0	429,000
Eddy	11,500	10,500	27.4	30.0	315,000	9,000	8,500	35.5	37.6	319,500
Foster	11,000	9,800	29.4	33.0	323,500	4,200	3,400	27.5	34.0	115,600
Kidder	2,000	1,800	18.0	20.0	36,000	700	600	24.0	28.0	16,800
Sheridan	6,000	5,500	19.3	21.0	115,500	400	400	35.0	35.0	14,000
Stutsman	29,500	27,400	26.0	28.0	768,000	2,700	2,500	25.9	28.0	70,000
Wells	20,000	18,000	26.1	29.0	522,000	4,500	4,100	28.2	31.0	127,100
Central	80,000	73,000	26.0	28.5	2,080,000	21,500	19,500	30.8	34.0	663,000
Barnes	30,000	28,000	32.2	34.5	966,000	4,500	3,900	34.7	40.0	156,000
Cass	10,000	9,400	36.7	39.0	366,600	6,200	5,800	43.4	46.4	269,100
Griggs	10,000	9,500	30.4	32.0	304,000	2,700	2,300	29.0	34.0	78,200
Steele	4,000	3,400	29.8	35.0	119,000	1,300	1,100	30.1	35.5	39,100
Traill	1,000	700	29.4	42.0	29,400	1,300	1,100	30.5	36.0	39,600
East Central	55,000	51,000	32.5	35.0	1,785,000	16,000	14,200	36.4	41.0	582,000
Adams	16,500	16,000	22.8	23.5	376,000	6,500	6,000	26.8	29.0	174,000
Billings	1,500	1,400	15.9	17.0	23,800	2,000	1,400	21.0	30.0	42,000
Bowman	7,000	6,800	16.5	17.0	115,500	5,700	5,400	28.4	30.0	162,000
Golden Valley	9,000	8,500	22.2	23.5	200,000	7,800	6,600	30.0	35.5	234,300
Hettinger	30,000	28,000	27.6	29.6	828,200	7,500	7,100	30.9	32.6	231,400
Slope	11,000	10,500	24.3	25.5	267,500	4,500	4,300	31.5	33.0	141,900
Stark	5,000	4,800	25.4	26.5	127,000	3,500	3,200	29.3	32.0	102,400
Southwest	80,000	76,000	24.2	25.5	1,938,000	37,500	34,000	29.0	32.0	1,088,000
Burleigh	6,000	5,200	27.8	32.0	166,500	1,500	1,400	24.3	26.0	36,400
Emmons	5,000	4,500	25.2	28.0	126,000	3,000	2,900	25.1	26.0	75,400
Grant	7,000	6,100	27.0	31.0	189,000	8,500	8,100	32.9	34.5	279,600
Morton	5,000	4,400	28.2	32.0	141,000	2,000	1,900	32.8	34.5	65,600
Sioux	2,000	1,800	24.3	26.9	48,500	3,000	2,200	18.3	25.0	55,000
South Central	25,000	22,000	26.8	30.5	671,000	18,000	16,500	28.4	31.0	512,000
Dickey	45,000	42,500	26.4	28.0	1,190,000	17,000	16,000	30.2	32.1	513,800
LaMoure	35,000	32,500	26.9	29.0	943,000	6,000	5,700	30.4	32.0	182,400
Logan	6,500	5,800	24.3	27.2	158,000	600	600	26.5	26.5	15,900
McIntosh	3,500	3,400	24.3	25.0	85,000	2,000	1,800	21.6	24.0	43,200
Ransom	17,000	15,000	29.1	33.0	495,000	9,900	9,500	32.2	33.5	318,300
Richland	3,000	2,800	32.7	35.0	98,000	1,500	1,400	28.0	30.0	42,000
Sargent	50,000	46,000	28.5	31.0	1,426,000	15,000	14,400	29.8	31.0	446,400
Southeast	160,000	148,000	27.5	29.7	4,395,000	52,000	49,400	30.0	31.6	1,562,000
STATE	520,000	480,000	26.8	29.0	13,920,000	200,000	185,000	29.6	32.0	5,920,000
North Dakota Totals by Special Cropping Practices										
Summer Fallow	223,500	208,700	28.4	30.5	6,356,200	109,800	102,700	32.0	34.1	3,504,100
Cont. Cropping	296,500	271,300	25.5	27.9	7,563,800	90,200	82,300	26.8	29.4	2,415,900

BARLEY

North Dakota, 1986 and 1987

District and County	1986					1987				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	60,000	53,500	42.8	48.0	2,568,000	47,000	46,000	34.7	35.5	1,633,000
Divide	65,000	60,000	39.7	43.0	2,580,000	49,000	46,100	38.3	40.7	1,875,000
Mountrail	70,000	68,200	48.7	50.0	3,410,000	54,000	50,500	28.5	30.5	1,540,000
Renville	90,000	89,200	50.5	51.0	4,549,000	77,000	75,400	30.8	31.5	2,375,000
Ward	125,000	123,500	53.4	54.1	6,678,000	110,000	103,500	28.7	30.5	3,156,000
Williams	80,000	76,600	41.2	43.0	3,294,000	63,000	61,500	32.7	33.5	2,060,000
Northwest	490,000	471,000	47.1	49.0	23,079,000	400,000	383,000	31.6	33.0	12,639,000
Benson	80,000	73,000	37.9	41.5	3,030,000	65,000	64,000	40.4	41.0	2,624,000
Bottineau	175,000	169,000	49.3	51.0	8,619,000	138,000	134,700	35.8	36.7	4,947,000
McHenry	80,000	78,500	49.6	50.5	3,965,000	54,000	51,500	33.4	35.0	1,803,000
Pierce	65,000	63,500	37.3	38.2	2,427,000	51,000	48,500	31.9	33.5	1,625,000
Rolette	60,000	57,000	48.5	51.0	2,907,000	52,000	50,300	40.2	41.5	2,088,000
North Central	460,000	441,000	45.5	47.5	20,948,000	360,000	349,000	36.4	37.5	13,087,000
Cavalier	200,000	194,500	54.5	56.0	10,892,000	175,000	173,000	60.1	60.8	10,511,000
Grand Forks	155,000	150,000	57.6	59.5	8,925,000	135,000	133,100	60.1	61.0	8,119,000
Nelson	80,000	79,000	52.3	53.0	4,187,000	73,000	70,700	52.8	54.5	3,853,000
Pembina	90,000	84,000	57.4	61.5	5,168,000	75,000	74,000	67.1	68.0	5,032,000
Ramsey	110,000	101,000	42.2	46.0	4,646,000	96,000	94,600	47.8	48.5	4,588,000
Towner	105,000	99,500	43.6	46.0	4,577,000	86,000	84,600	47.7	48.5	4,103,000
Walsh	100,000	99,000	59.9	60.5	5,990,000	90,000	89,000	61.8	62.5	5,562,000
Northeast	840,000	807,000	52.8	55.0	44,385,000	730,000	719,000	57.2	58.1	41,768,000
Dunn	30,000	27,000	37.8	42.0	1,134,000	29,000	27,200	33.3	35.5	966,000
McKenzie	35,000	30,500	37.9	43.5	1,327,000	27,000	24,400	32.6	36.0	879,000
McLean	94,000	91,000	48.9	50.5	4,595,000	60,000	59,000	36.3	36.9	2,175,000
Mercer	15,000	13,000	42.1	48.5	631,000	11,000	10,100	34.0	37.0	374,000
Oliver	16,000	15,500	45.1	46.5	721,000	13,000	12,300	35.5	37.5	461,000
West Central	190,000	177,000	44.3	47.5	8,408,000	140,000	133,000	34.7	36.5	4,855,000
Eddy	30,000	29,500	49.2	50.0	1,475,000	20,000	19,000	41.3	43.5	826,000
Foster	28,000	27,500	51.6	52.5	1,444,000	18,000	17,200	44.4	46.5	800,000
Kidder	27,000	26,500	38.8	39.5	1,047,000	19,000	18,200	40.7	42.5	773,000
Sheridan	35,000	34,500	43.4	44.0	1,518,000	28,000	27,000	39.5	41.0	1,107,000
Stutsman	125,000	118,000	51.1	54.1	6,383,000	83,000	81,000	48.1	49.3	3,994,000
Wells	75,000	74,000	46.4	47.0	3,478,000	62,000	57,600	42.3	45.5	2,620,000
Central	320,000	310,000	48.0	49.5	15,345,000	230,000	220,000	44.0	46.0	10,120,000
Barnes	145,000	142,500	58.0	59.0	8,408,000	135,000	132,700	54.6	55.5	7,365,000
Cass	170,000	168,500	59.1	59.6	10,045,000	170,000	167,500	61.4	62.3	10,430,000
Griggs	65,000	64,000	49.2	50.0	3,200,000	57,000	54,100	44.6	47.0	2,543,000
Steele	80,000	79,000	62.2	63.0	4,977,000	80,000	75,900	51.7	54.5	4,137,000
Traill	110,000	109,000	61.9	62.5	6,813,000	108,000	104,800	58.2	60.0	6,288,000
East Central	570,000	563,000	58.7	59.4	33,443,000	550,000	535,000	55.9	57.5	30,763,000
Adams	25,000	24,000	37.4	39.0	936,000	19,000	17,800	42.2	45.0	801,000
Billings	5,000	4,000	28.0	35.0	140,000	5,000	4,700	36.2	38.5	181,000
Bowman	26,000	22,500	29.8	34.5	776,000	26,000	23,500	37.1	41.0	964,000
Golden Valley	20,000	18,000	33.3	37.0	666,000	15,500	14,800	38.2	40.0	592,000
Hettinger	56,000	55,200	44.3	44.9	2,479,000	31,000	27,200	39.1	44.5	1,211,000
Slope	28,000	26,000	38.1	41.0	1,066,000	25,000	22,500	37.8	42.0	945,000
Stark	40,000	37,300	35.4	38.0	1,417,000	28,500	26,500	37.2	40.0	1,060,000
Southwest	200,000	187,000	37.4	40.0	7,480,000	150,000	137,000	38.4	42.0	5,754,000
Burleigh	35,000	32,800	40.3	43.0	1,410,000	23,000	21,400	36.7	39.5	845,000
Emmons	35,000	31,200	37.4	42.0	1,310,000	29,000	27,400	44.4	47.0	1,288,000
Grant	50,000	46,800	39.3	42.0	1,965,000	40,000	37,800	39.7	42.0	1,588,000
Morton	60,000	50,000	37.5	45.0	2,248,000	50,000	48,000	40.2	41.9	2,009,000
Sioux	10,000	9,200	37.7	41.0	377,000	8,000	6,400	24.0	30.0	192,000
South Central	190,000	170,000	38.5	43.0	7,310,000	150,000	141,000	39.5	42.0	5,922,000
Dickey	60,000	58,500	43.9	45.0	2,635,000	52,000	50,600	46.2	47.5	2,404,000
LaMoure	73,000	70,500	49.2	51.0	3,592,000	53,000	52,000	49.7	50.7	2,636,000
Logan	34,000	32,000	40.0	42.5	1,360,000	26,000	25,400	45.9	47.0	1,194,000
McIntosh	29,000	26,500	35.2	38.5	1,021,000	27,000	24,900	39.2	42.5	1,058,000
Ransom	45,000	43,500	49.3	51.0	2,220,000	40,000	39,400	50.7	51.5	2,029,000
Richland	55,000	52,000	50.1	53.0	2,756,000	52,000	51,300	57.7	58.5	3,001,000
Sargent	44,000	41,000	44.7	48.0	1,968,000	40,000	39,400	49.3	50.0	1,970,000
Southeast	340,000	324,000	45.7	48.0	15,552,000	290,000	283,000	49.3	50.5	14,292,000
STATE	3,600,000	3,450,000	48.9	51.0	175,950,000	3,000,000	2,900,000	46.4	48.0	139,200,000

BARLEY CONT.

North Dakota, 1986 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	19,800	19,000	46.2	48.2	915,700	40,200	34,500	41.1	47.9	1,652,300
Divide	41,000	39,700	43.1	44.5	1,765,400	24,000	20,300	33.9	40.1	814,600
Mountrail	21,300	20,400	50.4	52.6	1,072,700	48,700	47,800	48.0	48.9	2,337,300
Renville	11,700	11,600	49.5	49.9	578,700	78,300	77,600	50.7	51.2	3,970,300
Ward	19,500	19,400	50.1	50.3	976,000	105,300	103,900	54.0	54.8	5,691,000
Williams	56,600	56,100	45.7	46.1	2,583,900	23,100	20,200	29.8	34.1	689,400
Northwest	169,900	166,200	46.5	47.5	7,892,400	319,600	304,300	47.4	49.8	15,154,900
Benson	9,400	9,000	34.8	36.3	327,000	70,500	63,900	38.2	42.2	2,695,500
Bottineau	22,900	20,700	45.3	50.1	1,038,000	152,100	148,300	49.8	51.1	7,581,000
McHenry	5,100	5,000	46.2	47.1	235,400	74,800	73,400	49.8	50.7	3,722,100
Pierce	5,500	5,300	38.6	40.1	212,500	59,500	58,200	37.2	38.0	2,214,500
Rolette	6,900	6,800	42.2	42.8	291,300	53,000	50,100	49.2	52.1	2,608,700
North Central	49,800	46,800	42.3	45.0	2,104,200	409,900	393,900	45.9	47.8	18,821,800
Cavalier	7,600	7,600	60.6	60.6	460,200	192,400	186,900	54.2	55.8	10,431,800
Grand Fo	6,500	6,500	52.9	52.9	343,900	148,400	143,400	57.8	59.8	8,573,100
Nelson	9,300	8,700	44.0	47.1	409,600	70,700	70,300	53.4	53.7	3,777,400
Pembina	8,800	3,600	24.4	59.5	214,300	81,200	80,400	61.0	61.6	4,953,700
Ramsey	10,900	10,100	46.3	50.0	505,100	99,000	90,800	41.8	45.5	4,133,900
Towner	5,800	5,200	42.4	47.3	245,700	99,200	94,300	43.7	45.9	4,331,300
Walsh	3,400	3,400	54.2	54.2	184,300	96,600	95,600	60.1	60.7	5,805,700
Northeast	52,300	45,100	45.2	52.4	2,363,100	787,500	761,700	53.3	55.1	42,006,900
Dunn	6,500	6,300	35.4	36.5	230,000	23,500	20,700	38.5	43.7	904,000
McKenzie	21,400	19,200	39.0	43.5	834,500	12,200	10,000	31.0	37.9	378,600
McLean	16,800	15,900	43.9	46.4	738,100	77,000	74,900	49.9	51.3	3,840,900
Mercer	4,000	3,900	56.2	57.6	224,700	11,000	9,100	36.9	44.6	406,300
Oliver	3,900	3,900	58.5	58.5	228,000	11,400	11,000	40.6	42.1	463,000
West Central	52,600	49,200	42.9	45.8	2,255,300	135,100	125,700	44.4	47.7	5,992,800
Eddy	5,100	5,100	51.3	51.3	261,700	24,500	24,000	48.2	49.2	1,181,300
Foster	1,100	1,100	62.5	62.5	68,800	26,700	26,200	50.9	51.9	1,360,200
Kidder	3,200	3,200	49.9	49.9	159,600	23,500	23,000	36.9	37.7	867,900
Sheridan	4,500	4,400	53.1	54.3	238,800	30,500	30,100	41.9	42.5	1,279,200
Stutsman	2,900	2,800	47.9	49.6	139,000	122,100	115,200	51.1	54.2	6,244,000
Wells	6,700	6,700	50.7	50.7	339,500	68,300	67,300	46.0	46.6	3,138,500
Central	23,500	23,300	51.4	51.8	1,207,400	295,600	285,800	47.6	49.2	14,071,100
Barnes	6,200	6,100	55.6	56.5	344,700	138,800	136,400	58.1	59.1	8,063,300
Cass	10,400	10,200	55.8	56.9	580,000	159,600	158,300	59.3	59.8	9,465,000
Griggs	5,700	5,600	53.8	54.8	306,700	58,900	58,000	48.7	49.4	2,867,300
Steele	2,400	2,300	52.1	54.4	125,100	77,600	76,700	62.5	63.3	4,851,900
Traill	5,100	5,100	66.6	66.6	339,600	104,900	103,900	61.7	62.3	6,473,400
East Central	29,800	29,300	56.9	57.9	1,696,100	539,800	533,300	58.8	59.5	31,720,900
Adams	6,400	6,100	37.6	39.5	240,700	18,600	17,900	37.4	38.8	695,300
Billings	400	400	42.3	42.3	16,900	4,600	3,600	26.8	34.2	123,100
Bowman	18,000	15,800	29.4	33.5	529,400	8,000	6,700	30.8	36.8	246,600
Golden Valley	8,700	8,200	33.5	35.5	291,500	10,900	9,400	31.8	36.9	346,500
Hettinger	9,900	9,600	38.5	39.7	381,000	46,100	45,600	45.5	46.0	2,098,000
Slope	13,400	13,400	42.2	42.2	566,000	14,600	12,600	34.2	39.7	500,000
Stark	7,800	7,800	41.2	41.2	321,200	32,200	29,500	34.0	37.1	1,095,800
Southwest	64,600	61,300	36.3	38.3	2,346,700	135,000	125,300	37.8	40.7	5,105,300
Burleigh	3,300	3,200	52.0	53.6	171,500	31,200	29,100	38.6	41.4	1,203,500
Emmons	3,400	1,100	9.1	28.2	31,000	31,000	29,600	40.1	42.0	1,244,000
Grant	9,200	7,900	38.0	44.2	349,500	40,700	38,800	39.5	41.5	1,609,000
Morton	11,800	11,800	48.2	48.2	568,700	48,100	38,100	34.8	43.9	1,671,800
Sioux	500	300	24.6	41.0	12,300	9,500	8,900	38.4	41.0	364,700
South Central	28,200	24,300	40.2	46.6	1,133,000	160,500	144,500	38.0	42.2	6,093,000
Dickey	1,000	900	39.5	43.9	39,500	58,300	56,900	43.8	44.8	2,551,000
LaMoure	8,800	8,800	50.5	50.5	444,300	63,900	61,400	49.0	51.0	3,131,200
Logan	3,600	3,600	44.7	44.7	161,000	30,300	28,300	39.4	42.2	1,194,000
McIntosh	6,700	6,000	34.2	38.2	229,400	22,300	20,500	35.5	38.6	791,600
Ransom	1,500	1,300	41.3	47.6	61,900	43,200	41,900	49.5	51.1	2,140,100
Richland	400	400	38.3	38.3	15,300	54,600	51,600	50.2	53.1	2,740,700
Sargent	2,200	2,000	31.5	34.6	69,200	41,700	38,900	45.3	48.6	1,890,300
Southeast	24,200	23,000	42.2	44.4	1,020,600	314,300	299,500	45.9	48.2	14,438,900
STATE	494,900	468,500	44.5	47.0	22,018,800	3,097,300	2,974,000	49.5	51.6	153,405,600

1/ See page 60 for irrigated acres.

BARLEY CONT.

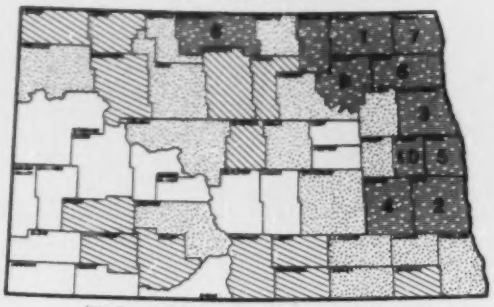
North Dakota, 1987 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	15,800	15,300	35.7	36.8	563,300	31,200	30,700	34.3	34.8	1,069,700
Divide	36,600	35,300	40.9	42.5	1,498,700	12,400	10,800	30.3	34.8	376,300
Mountrail	22,000	20,800	31.1	32.9	684,500	32,000	29,700	26.7	28.8	855,500
Renville	14,000	13,700	34.8	35.6	487,400	63,000	61,700	30.0	30.6	1,887,600
Ward	16,100	15,500	36.0	37.4	579,500	93,700	87,800	27.4	29.2	2,565,500
Williams	51,200	50,000	34.1	34.9	1,746,600	11,500	11,200	25.7	26.4	295,400
Northwest	155,700	150,600	35.7	36.9	5,560,000	243,800	231,900	28.9	30.4	7,050,000
Benson	7,100	7,000	39.1	39.7	277,700	57,700	56,800	40.4	41.1	2,332,300
Bottineau	14,400	14,200	36.8	37.3	529,400	123,600	120,500	35.7	36.7	4,417,600
McHenry	6,300	6,300	41.1	41.1	258,900	47,700	45,200	32.4	34.2	1,544,100
Pierce	6,800	6,700	31.4	31.9	213,400	44,200	41,800	31.9	33.8	1,411,600
Rolette	5,400	5,200	41.5	43.1	224,200	46,500	45,000	39.9	41.3	1,857,300
North Central	40,000	39,400	37.6	38.2	1,503,600	319,700	309,300	36.2	37.4	11,562,900
Cavalier	16,100	15,900	61.1	61.9	984,500	158,900	157,100	60.0	60.6	9,526,500
Grand Forks	4,700	4,700	54.1	54.1	254,100	130,200	128,300	60.4	61.3	7,858,400
Nelson	5,300	5,100	43.8	45.6	232,400	67,700	65,600	53.5	55.2	3,620,600
Pembina	3,200	3,200	72.4	72.4	231,700	71,800	70,800	66.9	67.8	4,800,300
Ramsey	8,000	7,800	47.6	48.9	381,100	88,000	86,800	47.8	48.5	4,206,900
Towner	4,500	4,400	46.1	47.2	207,600	81,500	80,200	47.8	48.6	3,895,400
Walsh	3,700	3,700	66.5	66.5	246,200	86,300	85,300	61.6	62.3	5,315,800
Northeast	45,500	44,800	55.8	56.6	2,537,600	684,400	674,100	57.3	58.2	39,223,900
Dunn	6,400	6,400	41.9	41.9	267,900	22,600	20,800	30.9	33.6	698,100
McKenzie	17,300	15,600	33.6	37.3	582,100	9,000	8,100	26.6	29.5	239,000
McLean	8,800	8,500	41.3	42.8	363,800	50,900	50,200	35.1	35.5	1,784,200
Mercer	2,500	2,300	48.3	52.5	120,800	8,400	7,700	29.2	31.8	245,200
Oliver	3,900	3,900	43.8	43.8	170,800	9,000	8,300	31.4	34.0	282,200
West Central	38,900	36,700	38.7	41.0	1,505,400	99,900	95,100	32.5	34.2	3,248,700
Eddy	1,900	1,800	45.2	47.7	85,800	17,900	17,000	40.5	42.7	725,200
Foster	1,600	1,600	44.3	44.3	70,900	16,400	15,600	44.5	46.7	729,100
Kidder	2,800	2,600	42.8	46.1	119,900	16,000	15,400	40.0	41.6	640,100
Sheridan	3,800	3,700	48.1	49.4	182,700	24,200	23,300	38.2	39.7	924,300
Stutsman	6,100	5,900	44.0	45.5	268,600	76,800	75,000	48.4	49.6	3,717,900
Wells	5,000	4,600	44.5	48.3	222,400	57,000	53,000	42.1	45.2	2,397,600
Central	21,200	20,200	44.8	47.0	950,300	208,300	199,300	43.9	45.8	9,134,200
Barnes	6,300	6,200	64.0	65.0	402,900	128,500	126,300	54.1	55.0	6,950,100
Cass	3,900	3,900	56.9	56.9	221,800	165,900	163,400	61.4	62.4	10,194,200
Griggs	2,200	2,200	51.5	51.5	113,300	54,300	51,400	44.1	46.6	2,397,200
Steele	2,500	2,500	55.5	55.5	138,700	77,500	73,400	51.6	54.5	3,998,300
Traill	2,200	2,200	55.9	55.9	122,900	105,800	102,600	58.3	60.1	6,165,100
East Central	17,100	17,000	58.5	58.8	999,600	532,000	517,100	55.8	57.4	29,704,900
Adams	6,800	6,300	50.1	54.1	340,700	12,200	11,500	37.7	40.0	460,300
Billings	3,800	3,500	37.7	40.9	143,300	1,200	1,200	31.4	31.4	37,700
Bowman	15,800	14,000	37.4	42.3	591,700	10,200	9,500	36.5	39.2	372,300
Golden Valley	7,100	6,900	38.1	39.2	270,800	8,100	7,600	37.0	39.4	299,600
Hettinger	5,300	4,600	37.0	42.6	196,100	25,700	22,600	39.5	44.9	1,014,900
Slope	13,000	12,200	42.9	45.7	557,700	12,000	10,300	32.3	37.6	387,300
Stark	5,400	5,000	41.4	44.8	223,800	23,100	21,500	36.2	38.9	836,200
Southwest	57,200	52,500	40.6	44.3	2,324,100	92,500	84,200	36.8	40.5	3,408,300
Burleigh	3,200	3,100	42.1	43.5	134,800	19,700	18,200	35.7	38.6	702,800
Emmons	4,200	4,100	58.3	59.8	245,000	24,300	22,800	41.5	44.2	1,008,000
Grant	8,600	8,500	44.1	44.7	379,600	31,200	29,100	38.3	41.1	1,195,400
Morton	8,500	8,400	57.1	57.8	485,500	41,200	39,300	36.5	38.2	1,503,100
Sioux	2,800	2,400	26.6	31.0	74,500	5,100	3,900	22.1	28.8	112,500
South Central	27,300	26,500	48.3	49.8	1,319,400	121,500	113,300	37.2	39.9	4,521,800
Dickey	5,500	5,500	55.6	55.6	305,800	46,200	44,800	44.9	46.3	2,074,200
LaMoure	7,000	6,900	56.2	57.1	393,700	45,900	45,000	48.7	49.7	2,234,800
Logan	4,700	4,600	51.4	52.5	241,500	21,000	20,500	44.4	45.5	932,900
McIntosh	3,800	3,600	43.8	46.3	166,600	23,200	21,300	38.4	41.8	891,400
Ransom	2,200	2,200	52.3	52.3	115,100	37,700	37,100	50.6	51.4	1,906,400
Richland	2,200	2,100	67.3	70.5	148,000	49,800	49,200	57.3	58.0	2,853,000
Sargent	2,300	2,300	55.3	55.3	127,200	37,600	37,000	48.8	49.6	1,834,800
Southeast	27,700	27,200	54.1	55.1	1,497,900	261,400	254,900	48.7	49.9	12,727,500
STATE	430,600	414,900	42.3	43.9	18,197,900	2,563,500	2,479,200	47.0	48.6	120,582,200

1/ See page 61 for irrigated acres.

BARLEY - 1987

PRODUCTION



(Numbers indicate first ten counties)

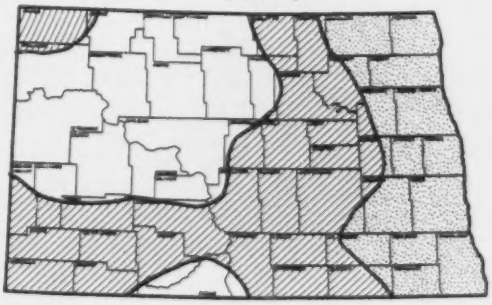
Under 1,000,000 bu.

1,000,000 - 1,999,999 bu.

2,000,000 - 3,999,999 bu.

4,000,000 bu. & over

YIELD PER HARVESTED ACRE
(Bushels)

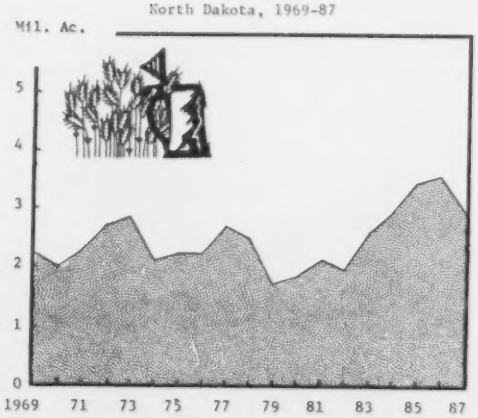


Under 40.0 bu.

40.0 - 49.9 bu.

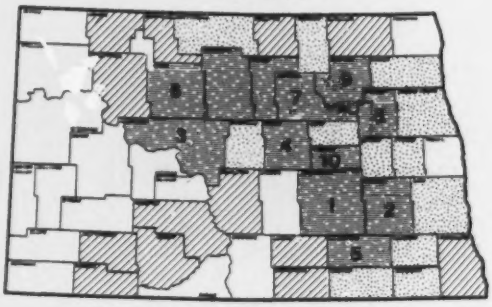
50.0 bu. & over

BARLEY PLANTED ACRES
North Dakota, 1969-87



ALL SUNFLOWER - 1987

PRODUCTION



(Numbers indicate first ten counties)

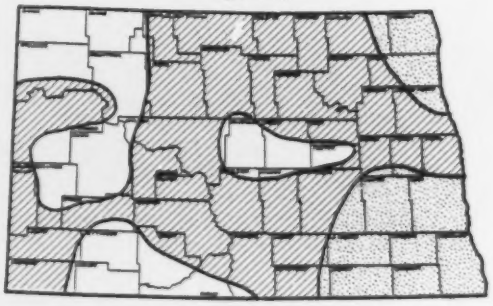
Under 10.0 mil. lbs.

10.0 - 29.9 mil. lbs.

30.0 - 59.9 mil. lbs.

60.0 mil. lbs. & over

YIELD PER HARVESTED ACRE
(Pounds)

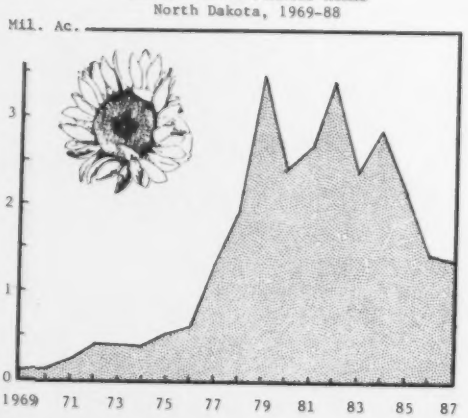


Under 1400 lbs.

1400-1599 lbs.

1600 lbs. & over

ALL SUNFLOWER PLANTED ACRES
North Dakota, 1969-88



ALL SUNFLOWER

North Dakota, 1986 and 1987

District and County	1986					1987				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)
Burke	13,000	11,000	980	1160	12,780	14,000	14,000	1340	1340	18,760
Divide	8,600	5,100	540	920	4,686	4,500	4,500	1350	1350	6,070
Mountrail	20,200	19,200	1110	1170	22,423	12,000	11,500	1210	1260	14,530
Renville	9,200	9,200	1370	1370	12,614	10,500	10,300	1520	1550	16,010
Ward	48,500	44,500	1180	1290	57,192	64,000	62,900	1500	1530	96,170
Williams	5,000	4,500	910	1010	4,545	6,000	5,700	1200	1260	7,180
Northwest	104,500	93,500	1090	1220	114,240	111,000	108,900	1430	1460	158,720
Benson	51,500	49,000	1140	1200	58,690	54,000	52,800	1490	1520	80,350
Bottineau	22,500	22,000	1220	1250	27,550	25,700	25,200	1600	1630	41,000
McHenry	57,500	52,000	1250	1380	71,860	45,300	44,700	1480	1500	66,870
Pierce	38,000	35,500	1080	1160	41,145	44,300	44,100	1490	1490	65,830
Rolette	17,500	17,000	1170	1210	20,515	13,700	13,700	1470	1470	20,080
North Central	187,000	175,500	1180	1250	219,760	183,000	180,500	1500	1520	274,130
Cavalier	14,000	13,500	1280	1320	17,860	17,500	16,900	1500	1550	26,200
Grand Forks	45,000	44,000	1440	1470	64,750	32,500	32,500	1580	1580	51,390
Nelson	48,000	45,300	1320	1390	63,175	54,000	53,100	1460	1480	78,630
Pembina	7,000	7,000	1320	1320	9,270	5,400	5,400	1600	1600	8,650
Ramsey	42,500	35,400	1010	1210	42,755	50,500	49,700	1500	1530	75,950
Towner	20,500	17,900	1020	1160	20,810	25,600	25,000	1460	1490	37,330
Walsh	29,000	28,400	1370	1400	39,780	24,500	24,400	1580	1580	38,650
Northeast	206,000	191,500	1250	1350	258,400	210,000	207,000	1510	1530	316,800
Dunn	6,000	5,400	990	1100	5,954	5,000	4,900	1350	1370	6,730
McKenzie	1,000	700	910	1300	910	600	600	1530	1530	920
McLean	71,500	70,000	1390	1420	99,061	80,500	80,300	1550	1550	124,590
Mercer	7,500	7,000	1070	1150	8,045	5,900	5,900	1460	1460	8,590
Oliver	7,000	6,900	1480	1500	10,350	4,500	4,500	1460	1460	6,570
West Central	93,000	90,000	1340	1380	124,320	96,500	96,200	1530	1530	147,400
Eddy	35,500	35,300	1290	1300	45,788	22,700	22,600	1450	1460	32,920
Foster	70,500	69,500	1380	1400	97,400	55,500	51,800	1230	1320	68,160
Kidder	6,000	6,000	1000	1000	6,000	4,300	4,300	1490	1490	6,400
Sheridan	37,500	36,700	1230	1250	46,022	36,000	35,400	1330	1360	48,030
Stutsman	116,500	114,500	1340	1360	155,680	136,500	135,200	1470	1490	201,120
Wells	99,000	98,000	1260	1280	124,950	86,000	80,700	1310	1400	112,670
Central	365,000	360,000	1300	1320	475,840	341,000	330,000	1380	1420	469,300
Barnes	95,000	94,000	1540	1550	145,960	84,000	82,400	1650	1680	138,540
Cass	54,000	54,000	1570	1570	84,980	24,500	24,400	1670	1670	40,800
Griggs	33,000	33,000	1490	1490	49,230	27,000	26,500	1500	1530	40,510
Steele	24,000	24,000	1660	1660	39,880	25,000	23,900	1430	1490	35,670
Traill	11,000	11,000	1680	1680	18,430	4,500	4,300	1130	1190	5,100
East Central	217,000	216,000	1560	1570	338,480	165,000	161,500	1580	1610	260,620
Adams	8,000	8,000	1030	1030	8,240	7,700	7,700	1300	1300	10,010
Billings	500	500	930	930	465	300	300	1300	1300	390
Bowman	4,000	3,500	880	1000	3,500	4,300	4,300	1460	1460	6,260
Golden Valley	500	500	900	900	450	1,000	1,000	1500	1500	1,500
Hettinger	21,500	20,500	1030	1080	22,180	24,300	23,800	1150	1170	27,880
Slope	5,000	5,000	960	960	4,790	5,900	5,900	1450	1450	8,540
Stark	9,000	8,500	730	770	6,545	4,000	4,000	1480	1480	5,920
Southwest	48,500	46,500	950	990	46,170	47,500	47,000	1270	1290	60,500
Burleigh	15,500	15,500	1100	1100	17,050	14,400	14,300	1420	1430	20,490
Emmons	5,000	4,500	1200	1330	5,985	6,000	5,700	1450	1520	8,670
Grant	13,500	12,500	1080	1170	14,625	16,800	16,400	1380	1420	23,220
Morton	12,500	12,000	1220	1280	15,310	17,600	17,600	1460	1460	25,710
Sioux	1,500	1,500	1060	1060	1,590	200	200	1350	1350	270
South Central	48,000	46,000	1140	1190	54,560	55,000	54,200	1420	1450	78,360
Dickey	25,500	25,500	1510	1510	38,420	33,000	33,000	1620	1620	53,350
LaMoure	60,000	59,600	1370	1380	82,304	67,000	66,800	1640	1640	109,700
Logan	6,500	6,500	1130	1130	7,330	7,400	7,400	1390	1390	10,280
McIntosh	9,500	9,500	1520	1520	14,480	11,800	11,300	1340	1400	15,810
Ransom	34,500	33,100	1390	1450	48,027	35,300	34,700	1680	1710	59,450
Richland	20,500	19,900	1340	1380	27,554	7,500	7,500	1590	1590	11,960
Sargent	34,500	33,900	1560	1590	53,805	29,000	29,000	1720	1720	49,970
Southeast	191,000	188,000	1420	1450	271,920	191,000	189,700	1630	1640	310,520
STATE	1,460,000	1,407,000	1300	1353	1,903,690	1,400,000	1,375,000	1480	1510	2,076,350

SUNFLOWER CONT.

Oil and Non-Oil, North Dakota, 1986

District and County	Oil					Non-Oil				
	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)
Burke	12,000	10,000	980	1180	11,800	1,000	1,000	980	980	980
Divide	8,500	5,000	540	920	4,600	100	100	860	860	86
Mountrail	19,500	18,500	1110	1170	21,653	700	700	1100	1100	770
Renville	8,500	8,500	1400	1400	11,900	700	700	1020	1020	714
Ward	42,500	38,500	1180	1300	50,052	6,000	6,000	1190	1190	7,140
Williams	5,000	4,500	910	1010	4,545	---	---	---	---	---
Northwest	96,000	85,000	1090	1230	104,550	8,500	8,500	1140	1140	9,690
Benson	36,000	34,000	1140	1210	41,140	15,500	15,000	1130	1170	17,550
Bottineau	21,500	21,000	1220	1250	26,250	1,000	1,000	1300	1300	1,300
McHenry	50,000	45,000	1220	1360	61,220	7,500	7,000	1420	1520	10,640
Pierce	31,500	29,500	1040	1110	32,745	6,500	6,000	1290	1400	8,400
Rolette	16,000	15,500	1150	1190	18,445	1,500	1,500	1380	1380	2,070
North Central	155,000	145,000	1160	1240	179,800	32,000	30,500	1250	1310	39,960
Cavalier	9,000	8,500	1190	1260	10,710	5,000	5,000	1430	1430	7,150
Grand Forks	40,000	39,000	1410	1450	56,550	5,000	5,000	1640	1640	8,200
Nelson	34,000	33,000	1330	1370	45,215	14,000	12,300	1280	1460	17,960
Pembina	6,000	6,000	1310	1310	7,860	1,000	1,000	1410	1410	1,410
Ramsey	32,000	26,500	960	1160	30,740	10,500	8,900	1140	1350	12,015
Towner	17,000	15,500	1080	1180	18,290	3,500	2,400	720	1050	2,520
Walsh	27,000	26,500	1360	1390	36,835	2,000	1,900	1470	1550	2,945
Northeast	165,000	155,000	1250	1330	206,200	41,000	36,500	1270	1430	52,200
Dunn	5,000	4,400	980	1110	4,884	1,000	1,000	1070	1070	1,070
McKenzie	1,000	700	910	1300	910	---	---	---	---	---
McLean	67,000	65,500	1390	1420	92,986	4,500	4,500	1350	1350	6,075
Mercer	5,000	4,500	1130	1260	5,670	2,500	2,500	950	950	2,375
Oliver	7,000	6,900	1480	1500	10,350	---	---	---	---	---
West Central	85,000	82,000	1350	1400	114,800	8,000	8,000	1190	1190	9,520
Eddy	23,000	23,000	1290	1290	29,670	12,500	12,300	1290	1310	16,118
Foster	46,000	45,000	1340	1370	61,580	24,500	24,500	1460	1460	35,820
Kidder	6,000	6,000	1000	1000	6,000	---	---	---	---	---
Sheridan	32,000	31,500	1200	1220	38,430	5,500	5,200	1380	1460	7,592
Stutsman	98,000	96,500	1340	1360	131,200	18,500	18,000	1320	1360	24,480
Wells	75,000	74,000	1260	1280	94,700	24,000	24,000	1260	1260	30,250
Central	280,000	276,000	1290	1310	361,580	85,000	84,000	1340	1360	114,260
Barnes	89,000	88,000	1540	1560	137,260	6,000	6,000	1450	1450	8,700
Cass	50,000	50,000	1570	1570	78,500	4,000	4,000	1620	1620	6,480
Griggs	30,000	30,000	1500	1500	45,000	3,000	3,000	1410	1410	4,230
Steele	19,000	19,000	1670	1670	31,730	5,000	5,000	1630	1630	8,150
Traill	7,000	7,000	1730	1730	12,110	4,000	4,000	1580	1580	6,320
East Central	195,000	194,000	1560	1570	304,600	22,000	22,000	1540	1540	33,880
Adams	8,000	8,000	1030	1030	8,240	---	---	---	---	---
Billings	500	500	930	930	465	---	---	---	---	---
Bowman	4,000	3,500	880	1000	3,500	---	---	---	---	---
Golden Valley	500	500	900	900	450	---	---	---	---	---
Hettinger	21,000	20,000	1040	1090	21,800	500	500	760	760	380
Slope	4,000	4,000	1000	1000	4,000	1,000	1,000	790	790	790
Stark	9,000	8,500	730	770	6,545	---	---	---	---	---
Southwest	47,000	45,000	960	1000	45,000	1,500	1,500	780	780	1,170
Burleigh	15,500	15,500	1100	1100	17,050	---	---	---	---	---
Emmons	5,000	4,500	1200	1330	5,985	---	---	---	---	---
Grant	10,000	9,000	1050	1170	10,530	3,500	3,500	1170	1170	4,095
Morton	10,000	9,500	1240	1310	12,445	2,500	2,500	1150	1150	2,865
Sioux	1,500	1,500	1060	1060	1,590	---	---	---	---	---
South Central	42,000	40,000	1130	1190	47,600	6,000	6,000	1160	1160	6,960
Dickey	23,500	23,500	1520	1520	35,720	2,000	2,000	1350	1350	2,700
LaMoure	53,500	53,500	1360	1360	72,785	6,500	6,100	1460	1560	9,519
Logan	6,000	6,000	1110	1110	6,660	500	500	1340	1340	670
McIntosh	9,000	9,000	1530	1530	13,770	500	500	1420	1420	710
Ransom	32,000	31,000	1400	1450	44,940	2,500	2,100	1230	1470	3,087
Richland	19,000	18,500	1320	1360	25,160	1,500	1,400	1600	1710	2,394
Sargent	32,000	31,500	1570	1590	50,085	2,500	2,400	1490	1550	3,720
Southeast	175,000	173,000	1420	1440	249,120	16,000	15,000	1430	1520	22,800
STATE	1,240,000	1,195,000	1300	1350	1,613,250	220,000	212,000	1320	1370	290,440

SUNFLOWER CONT.

North Dakota, 1987

District and County	Oil					Non-oil				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)
Burke	14,000	14,000	1340	1340	18,760	---	---	---	---	---
Divide	4,500	4,500	1350	1350	6,070	---	---	---	---	---
Mountrail	11,000	10,500	1210	1270	13,340	1,000	1,000	1190	1190	1,190
Renville	9,500	9,300	1540	1570	14,600	1,000	1,000	1410	1410	1,410
Ward	60,000	59,000	1520	1550	91,450	4,000	3,900	1180	1210	4,720
Williams	6,000	5,700	1200	1260	7,180	---	---	---	---	---
Northwest	105,000	103,000	1440	1470	151,400	6,000	5,900	1220	1240	7,320
Benson	41,000	41,000	1550	1550	63,540	13,000	11,800	1290	1420	16,810
Bottineau	25,000	24,500	1600	1630	39,940	700	700	1510	1510	1,060
McHenry	40,000	39,500	1470	1490	58,870	5,300	5,200	1510	1540	8,000
Pierce	36,000	36,000	1500	1500	54,010	8,300	8,100	1420	1460	11,820
Rolette	13,000	13,000	1480	1480	19,240	700	700	1200	1200	840
North Central	155,000	154,000	1520	1530	235,600	28,000	26,500	1380	1450	38,530
Cavalier	9,500	9,000	1470	1550	13,950	8,000	7,900	1530	1550	12,250
Grand Forks	30,000	30,000	1580	1580	47,410	2,500	2,500	1590	1590	3,980
Nelson	39,000	38,500	1470	1490	57,380	15,000	14,600	1420	1460	21,250
Pembina	5,000	5,000	1610	1610	8,050	400	400	1500	1500	600
Ramsey	35,000	34,500	1520	1540	53,150	15,500	15,200	1470	1500	22,800
Towner	21,000	20,500	1460	1500	30,760	4,600	4,500	1430	1460	6,570
Walsh	20,500	20,500	1590	1590	32,600	4,000	3,900	1510	1550	6,050
Northeast	160,000	158,000	1520	1540	243,300	50,000	49,000	1470	1500	73,500
Dunn	3,500	3,500	1310	1310	4,590	1,500	1,400	1430	1530	2,140
McKenzie	600	600	1530	1530	920	---	---	---	---	---
McLean	76,000	76,000	1560	1560	118,530	4,500	4,300	1350	1410	6,060
Mercer	5,400	5,400	1480	1480	7,990	500	500	1200	1200	600
Oliver	4,500	4,500	1460	1460	6,570	---	---	---	---	---
West Central	90,000	90,000	1540	1540	138,600	6,500	6,200	1350	1420	8,800
Eddy	15,000	15,000	1490	1490	22,350	7,700	7,600	1370	1390	10,570
Foster	40,500	37,000	1200	1310	48,470	15,000	14,800	1310	1330	19,690
Kidder	4,000	4,000	1510	1510	6,040	300	300	1200	1200	360
Sheridan	33,500	33,000	1330	1350	44,550	2,500	2,400	1390	1450	3,480
Stutsman	115,000	114,000	1460	1470	167,620	21,500	21,200	1560	1580	33,500
Wells	72,000	67,000	1310	1410	94,470	14,000	13,700	1300	1330	18,200
Central	280,000	270,000	1370	1420	383,500	61,000	60,000	1410	1430	85,800
Barnes	79,000	77,500	1660	1690	130,950	5,000	4,900	1520	1550	7,590
Cass	20,000	20,000	1710	1710	34,200	4,500	4,400	1470	1500	6,600
Griggs	25,000	24,500	1530	1560	38,210	2,000	2,000	1150	1150	2,300
Steele	20,000	19,000	1480	1560	29,640	5,000	4,900	1210	1230	6,030
Traill	1,000	1,000	1300	1300	1,300	3,500	3,300	1090	1150	3,800
East Central	145,000	142,000	1620	1650	234,300	20,000	19,500	1320	1350	26,320
Adams	7,700	7,700	1300	1300	10,010	---	---	---	---	---
Billings	300	300	1300	1300	390	---	---	---	---	---
Bowman	4,000	4,000	1480	1480	5,920	300	300	1130	1130	340
Golden Valley	1,000	1,000	1500	1500	1,500	---	---	---	---	---
Hettinger	23,000	22,500	1140	1160	26,110	1,300	1,300	1360	1360	1,770
Slope	5,000	5,000	1510	1510	7,550	900	900	1100	1100	990
Stark	4,000	4,000	1480	1480	5,920	---	---	---	---	---
Southwest	45,000	44,500	1280	1290	57,400	2,500	2,500	1240	1240	3,100
Burleigh	14,000	13,900	1430	1440	20,010	400	400	1200	1200	480
Emmons	6,000	5,700	1450	1520	8,670	---	---	---	---	---
Grant	7,800	7,700	1300	1320	10,170	9,000	8,700	1450	1500	13,050
Morton	17,000	17,000	1470	1470	24,980	600	600	1220	1220	730
Sioux	200	200	1350	1350	270	---	---	---	---	---
South Central	45,000	44,500	1420	1440	64,100	10,000	9,700	1430	1470	14,260
Dickey	30,000	30,000	1630	1630	48,890	3,000	3,000	1490	1490	4,460
LaMoure	62,000	62,000	1650	1650	102,270	5,000	4,800	1490	1550	7,430
Logan	7,000	7,000	1400	1400	9,800	400	400	1200	1200	480
McIntosh	11,000	10,500	1350	1410	14,810	800	800	1250	1250	1,000
Ransom	32,000	31,500	1680	1710	53,850	3,300	3,200	1700	1750	5,600
Richland	7,000	7,000	1580	1580	11,060	500	500	1800	1800	900
Sargent	26,000	26,000	1720	1720	44,720	3,000	3,000	1750	1750	5,250
Southeast	175,000	174,000	1630	1640	285,400	16,000	15,700	1570	1600	25,120
STATE	1,200,000	1,180,000	1490	1520	1,793,600	200,000	195,000	1410	1450	282,750

OATS

North Dakota, 1986 and 1987

District and County	1986					1987				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	14,000	10,000	40.7	57.0	570,000	11,000	8,500	41.4	53.5	455,000
Divide	12,000	7,400	37.0	60.0	444,000	9,500	7,500	44.2	56.0	420,000
Mountrail	21,000	12,600	39.6	66.0	831,000	25,500	17,000	29.0	43.5	740,000
Renville	18,000	14,500	59.2	73.5	1,066,000	14,000	9,000	28.8	44.8	403,000
Ward	37,000	30,000	55.9	69.0	2,070,000	28,000	21,000	33.8	45.0	945,000
Williams	18,000	10,500	39.7	68.0	714,000	17,000	11,000	25.9	40.0	440,000
Northwest	120,000	85,000	47.5	67.0	5,695,000	105,000	74,000	32.4	46.0	3,403,000
Benson	13,000	10,500	35.5	44.0	462,000	19,000	15,000	42.6	54.0	810,000
Bottineau	15,000	12,500	57.1	68.5	856,000	23,500	18,000	37.5	49.0	882,000
McHenry	40,000	31,500	40.3	51.2	1,612,000	40,000	30,000	33.4	44.5	1,335,000
Pierce	16,000	12,500	38.3	49.0	613,000	16,000	12,000	33.0	44.0	528,000
Rolette	6,000	4,000	37.0	55.5	222,000	6,500	5,000	37.7	49.0	245,000
North Central	90,000	71,000	41.8	53.0	3,765,000	105,000	80,000	36.2	47.5	3,800,000
Cavalier	4,000	3,000	57.0	76.0	228,000	4,000	3,000	54.0	72.0	216,000
Grand Forks	7,000	5,000	45.7	64.0	320,000	4,500	3,500	56.0	72.0	252,000
Nelson	7,000	5,500	43.4	55.3	304,000	8,000	6,000	45.0	60.0	360,000
Pembina	4,000	3,000	45.0	60.0	180,000	3,000	2,500	51.7	62.0	155,000
Ramsey	4,000	3,000	47.3	63.0	189,000	2,500	2,000	58.4	73.0	146,000
Towner	3,000	1,500	27.0	54.0	81,000	3,000	2,000	40.3	60.5	121,000
Walsh	6,000	4,000	49.7	74.5	298,000	5,000	3,000	42.6	71.0	213,000
Northeast	35,000	25,000	45.7	64.0	1,600,000	30,000	22,000	48.8	66.5	1,463,000
Dunn	45,000	25,000	31.1	56.0	1,400,000	47,500	24,000	23.2	46.0	1,104,000
McKenzie	25,000	13,000	29.1	56.0	728,000	27,500	13,000	22.7	48.0	624,000
McLean	40,000	32,000	47.2	59.0	1,888,000	57,000	39,500	34.6	50.0	1,975,000
Mercer	37,000	23,000	38.2	61.4	1,412,000	37,000	20,000	27.7	51.3	1,025,000
Oliver	23,000	17,000	41.4	56.0	952,000	21,000	12,500	29.2	49.0	613,000
West Central	170,000	110,000	37.5	58.0	6,380,000	190,000	109,000	28.1	49.0	5,341,000
Eddy	13,000	9,500	38.4	52.5	499,000	13,500	10,500	42.0	54.0	567,000
Foster	10,000	5,200	33.0	63.5	330,000	11,500	9,500	46.3	56.0	532,000
Kidder	30,000	21,000	31.4	44.9	943,000	29,500	21,000	34.9	49.0	1,029,000
Sheridan	18,000	13,000	34.7	48.0	624,000	19,500	12,500	31.8	49.7	621,000
Stutsman	30,000	22,300	43.5	58.5	1,305,000	32,500	25,500	51.4	65.5	1,670,000
Wells	14,000	9,000	32.8	51.0	459,000	13,500	10,000	41.9	56.5	565,000
Central	115,000	80,000	36.2	52.0	4,160,000	120,000	89,000	41.5	56.0	4,984,000
Barnes	11,000	7,800	43.6	61.5	480,000	14,000	9,500	39.4	58.0	551,000
Cass	6,000	4,500	58.5	78.0	351,000	8,000	6,500	58.5	72.0	468,000
Griggs	11,000	6,200	29.0	51.5	319,000	7,500	5,500	33.7	46.0	253,000
Steele	3,000	2,800	56.0	60.0	168,000	3,500	2,000	36.0	63.0	126,000
Traill	4,000	2,700	42.5	63.0	170,000	2,000	1,500	51.0	68.0	102,000
East Central	35,000	24,000	42.5	62.0	1,488,000	35,000	25,000	42.9	60.0	1,500,000
Adams	23,000	14,000	28.0	46.0	644,000	13,500	9,000	30.7	46.0	414,000
Billings	16,000	9,500	33.3	56.0	532,000	18,000	10,500	26.6	45.5	478,000
Bowman	20,000	9,200	19.1	41.5	382,000	13,000	6,500	23.0	46.0	299,000
Golden Valley	11,000	5,800	20.5	39.0	226,000	12,500	8,000	33.3	52.0	416,000
Hettinger	20,000	14,000	33.6	48.0	672,000	34,000	26,500	42.5	54.5	1,444,000
Slope	12,000	6,700	26.3	47.0	315,000	9,500	5,500	27.1	46.7	257,000
Stark	48,000	30,800	32.3	50.3	1,549,000	49,500	27,000	26.2	48.0	1,296,000
Southwest	150,000	90,000	28.8	48.0	4,320,000	150,000	93,000	30.7	49.5	4,604,000
Burleigh	40,000	29,000	36.6	50.5	1,465,000	43,500	27,500	31.9	50.5	1,388,030
Emmons	55,000	29,000	22.9	43.5	1,262,000	45,000	29,000	34.5	53.5	1,551,000
Grant	40,000	22,000	31.4	57.0	1,254,000	39,500	24,000	31.6	52.0	1,248,000
Morton	60,000	36,000	35.0	58.3	2,098,000	47,500	29,000	33.0	54.0	1,566,000
Sioux	15,000	9,000	28.2	47.0	423,000	14,500	7,500	22.0	42.5	319,000
South Central	210,000	125,000	31.0	52.0	6,502,000	190,000	117,000	32.0	51.9	6,072,000
Dickey	18,000	13,000	34.7	48.0	624,000	19,000	14,500	40.1	52.5	761,000
LaMoure	20,000	12,400	38.2	61.5	763,000	23,500	20,000	56.5	66.4	1,327,000
Logan	19,000	11,600	29.9	49.0	568,000	19,000	9,500	28.0	56.0	532,000
McIntosh	35,000	26,500	31.4	41.4	1,098,000	26,000	17,500	32.7	48.5	849,000
Ransom	12,000	10,400	52.8	61.0	634,000	14,000	10,500	41.6	55.5	583,000
Richland	12,000	8,700	41.3	57.0	496,000	13,500	11,000	53.4	65.5	721,000
Sargent	9,000	7,400	45.2	55.0	407,000	10,000	8,000	46.0	57.5	460,000
Southeast	125,000	90,000	36.7	51.0	4,590,000	125,000	91,000	41.9	57.5	5,233,000
STATE	1,050,000	700,000	36.7	55.0	38,500,000	1,050,000	700,000	34.7	52.0	36,400,000

FLAXSEED

North Dakota, 1986 and 1987

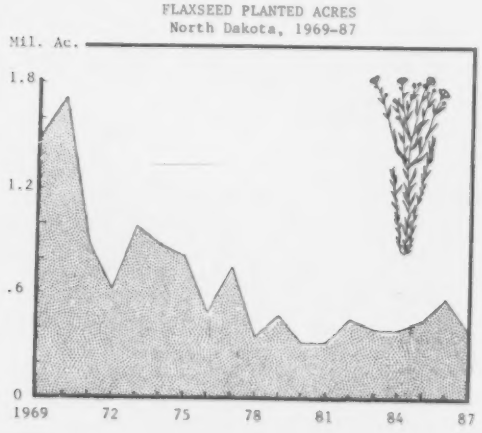
District and County	1986					1987				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	5,000	4,600	19.3	21.0	96,600	9,600	9,500	18.8	19.0	180,500
Divide	3,000	2,000	10.0	15.0	30,000	1,100	1,100	20.0	20.0	22,000
Mountrail	5,000	4,800	15.8	16.5	79,200	8,400	8,400	15.0	15.0	126,000
Renville	16,000	16,000	22.0	22.0	352,000	22,500	22,300	17.8	18.0	401,000
Ward	28,000	25,000	17.0	19.0	476,000	22,500	22,300	17.2	17.4	387,600
Williams	2,000	1,600	9.6	12.0	19,200	1,400	1,400	16.0	16.0	22,400
Northwest	59,000	54,000	17.8	19.5	1,053,000	65,500	65,000	17.4	17.5	1,139,500
Benson	22,000	20,800	18.9	20.0	416,000	17,500	17,500	16.5	16.5	289,000
Bottineau	21,500	20,400	17.1	18.0	367,200	16,500	16,000	17.5	18.0	288,000
McHenry	16,000	15,500	13.4	13.8	214,000	14,500	14,500	15.0	15.0	218,000
Pierce	19,500	19,000	14.6	15.0	285,000	14,000	14,000	13.5	13.5	189,000
Rolette	9,000	8,800	20.5	21.0	184,800	7,500	7,500	17.0	17.0	127,500
North Central	88,000	84,500	16.7	17.4	1,467,000	70,000	69,500	15.9	16.0	1,111,500
Cavalier	28,000	27,500	23.4	23.8	655,000	23,500	23,000	22.0	22.5	517,500
Grand Forks	8,000	7,600	17.1	18.0	136,800	2,500	2,500	14.0	14.0	35,000
Nelson	20,000	17,500	15.8	18.0	315,000	13,000	13,000	16.5	16.5	214,500
Pembina	9,000	8,800	22.5	23.0	202,400	4,500	4,500	19.0	19.0	85,500
Ramsey	30,000	27,000	17.1	19.0	513,000	19,000	18,500	18.5	19.0	351,500
Towner	28,000	27,000	18.3	19.0	513,000	23,500	23,500	18.0	18.0	423,000
Walsh	12,000	11,600	22.2	23.0	266,800	7,500	7,500	19.5	19.5	146,000
Northeast	135,000	127,000	19.3	20.5	2,602,000	93,500	92,500	19.0	19.2	1,773,000
Dunn	500	500	12.0	12.0	6,000	500	500	13.0	13.0	6,500
McKenzie	1,000	800	8.0	10.0	8,000	200	200	13.0	13.0	2,600
McLean	31,500	30,800	16.7	17.1	525,400	22,500	22,500	18.0	18.0	406,000
Mercer	2,500	2,500	17.0	17.0	42,500	2,300	1,800	12.9	16.5	29,700
Oliver	4,500	4,400	13.7	14.0	61,600	3,500	3,500	15.5	15.5	54,200
West Central	40,000	39,000	16.1	16.5	643,500	29,000	28,500	17.2	17.5	499,000
Eddy	7,000	6,800	12.6	13.0	88,400	5,300	5,000	13.7	14.5	72,500
Foster	5,500	5,200	17.0	18.0	93,600	2,200	2,200	16.0	16.0	35,200
Kidder	9,000	9,000	14.5	14.5	130,500	5,000	5,000	12.5	12.5	62,500
Sheridan	17,000	16,600	17.6	18.0	298,800	12,500	12,500	14.0	14.0	175,000
Stutsman	26,000	24,400	15.0	16.0	390,700	18,000	17,500	16.0	16.5	288,800
Wells	20,500	20,000	15.1	15.5	310,000	11,500	11,300	14.7	15.0	169,500
Central	85,000	82,000	15.4	16.0	1,312,000	54,500	53,500	14.7	15.0	803,500
Barnes	25,000	24,800	18.0	18.1	449,900	12,500	12,300	15.7	16.0	196,600
Cass	6,000	6,000	24.0	24.0	144,000	2,200	2,200	17.0	17.0	37,400
Griggs	13,500	13,200	17.6	18.0	237,600	5,300	5,200	12.3	12.5	65,000
Steele	14,500	14,000	20.8	21.5	301,000	6,000	5,800	12.1	12.5	72,500
Traill	1,000	1,000	18.0	18.0	18,000	500	500	13.0	13.0	6,500
East Central	60,000	59,000	19.2	19.5	1,150,500	26,500	26,000	14.3	14.5	378,000
Adams	500	300	5.4	9.0	2,700	300	300	17.7	17.7	5,300
Billings	200	200	8.0	8.0	1,600	100	100	18.0	18.0	1,800
Bowman	400	200	2.5	5.0	1,000	100	100	16.0	16.0	1,600
Hettinger	2,700	2,500	10.2	11.0	27,500	2,500	2,500	14.5	14.5	36,300
Slope	400	400	10.0	10.0	4,000	100	100	13.0	13.0	1,300
Stark	1,800	1,400	10.1	13.0	18,200	2,900	2,900	13.0	13.0	37,700
Southwest	6,000	5,000	9.2	11.0	55,000	6,000	6,000	14.0	14.0	84,000
Burleigh	17,000	15,200	10.7	12.0	182,500	9,500	9,500	13.5	13.5	128,000
Emmons	15,500	14,000	9.9	11.0	154,000	11,500	11,500	14.0	14.0	161,000
Grant	700	500	10.7	15.0	7,500	800	800	13.0	13.0	10,400
Morton	4,000	3,500	14.0	16.0	56,000	1,500	1,500	11.0	11.0	16,500
Sioux	800	800	10.0	10.0	8,000	200	200	10.5	10.5	2,100
South Central	38,000	34,000	10.7	12.0	408,000	23,500	23,500	13.5	13.5	318,000
Dickey	8,000	7,600	12.4	13.0	98,800	2,000	2,000	11.5	11.5	23,000
LaMoure	20,000	18,200	13.9	15.2	277,300	10,500	10,200	15.1	15.5	158,100
Logan	12,500	12,200	15.6	16.0	195,200	5,500	5,400	14.7	15.0	81,000
McIntosh	16,000	15,200	9.5	10.0	152,000	9,500	9,000	10.9	11.5	103,500
Ransom	2,700	2,600	16.4	17.0	44,200	2,000	1,900	11.0	11.5	21,900
Richland	1,800	1,800	20.0	20.0	36,000	700	700	12.0	12.0	8,400
Sargent	3,000	2,900	14.5	15.0	43,500	1,300	1,300	12.0	12.0	15,600
Southeast	64,000	60,500	13.2	14.0	847,000	31,500	30,500	13.1	13.5	411,500
STATE	575,000	545,000	16.6	17.5	9,538,000	400,000	395,000	16.3	16.5	6,518,000

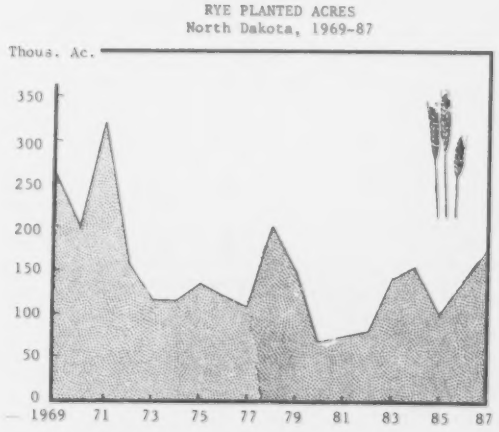
RYE

North Dakota, 1986 and 1987

County	1986					1987				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	1,700	1,400	28.8	35.0	49,000	5,800	5,700	23.6	24.0	136,800
Divide	5,000	4,900	33.3	34.0	166,600	11,000	10,500	22.9	24.0	252,000
Mountrail	1,600	1,500	32.8	35.0	52,500	3,500	3,500	17.0	17.0	59,500
Renville	*					1,100	1,100	16.5	16.5	18,200
Ward	1,200	1,100	22.9	25.0	27,500	1,100	1,100	17.0	17.0	18,700
Williams	12,800	12,500	32.3	33.0	413,000	15,000	14,600	27.3	28.0	408,800
Benson	1,700	1,700	23.2	23.2	39,500	2,000	1,900	30.4	32.0	60,800
Bottineau	7,000	7,000	33.5	33.5	234,500	7,500	7,200	26.9	28.0	201,500
McHenry	9,100	9,000	36.1	36.5	328,500	5,500	5,300	24.1	25.0	132,500
Pierce	4,200	4,100	29.3	30.0	123,000	7,000	6,100	21.7	25.0	152,200
Rolette	4,000	3,000	16.9	22.5	67,500	4,000	4,000	22.5	22.5	90,000
Grand Forks	*					1,000	1,000	31.5	31.5	31,500
Nelson	*					1,600	1,600	38.0	38.0	60,800
Dunn	1,300	1,200	35.1	38.0	45,600	2,500	2,100	23.9	28.5	59,800
McKenzie	*					1,000	900	23.4	26.0	23,400
McLean	2,600	2,400	30.5	33.0	79,200	4,500	4,000	22.2	25.0	100,000
Eddy	3,200	3,000	30.9	33.0	99,000	3,500	3,500	33.0	33.0	115,600
Foster	1,000	800	34.0	42.5	34,000	2,000	1,900	30.4	32.0	60,800
Kidder	3,000	2,600	17.3	20.0	52,000	1,000	1,000	36.0	36.0	36,000
Stutsman	8,700	8,100	32.6	35.0	283,500	10,200	10,000	41.2	42.0	420,000
Wells	3,000	2,900	42.5	44.0	127,500	7,500	7,000	31.7	34.0	238,000
Barnes	1,500	1,400	34.5	37.0	51,800	3,200	3,200	40.0	40.0	128,000
Adams	4,900	4,700	36.0	37.6	176,600	5,700	5,500	34.7	36.0	198,000
Billings	*					1,500	1,400	27.1	29.0	40,600
Bowman	2,700	2,600	36.1	37.5	97,500	1,000	1,000	28.5	28.5	28,500
Hettinger	3,700	3,600	34.1	35.0	126,000	14,500	12,000	26.5	32.0	384,000
Slope	2,600	2,300	31.0	35.0	80,500	8,500	8,000	36.7	39.0	312,000
Stark	4,400	3,900	26.6	30.0	117,000	5,000	4,600	28.1	30.5	140,400
Burleigh	2,600	2,400	24.0	26.0	62,400	1,500	1,300	25.1	29.0	37,700
Emmons	1,500	1,300	29.0	33.5	43,500	2,400	2,200	26.1	28.5	62,700
Grant	4,300	3,800	32.0	36.2	137,500	5,600	5,300	31.7	33.5	177,500
Morton	1,200	700	22.2	38.0	26,600	1,000	700	16.1	23.0	16,100
Sioux	1,400	1,300	27.9	30.0	39,000	*				
Dickey	7,200	6,700	32.1	34.5	231,000	5,400	5,300	36.9	37.5	199,000
LaMoure	8,600	7,700	36.3	40.5	312,000	8,100	8,000	40.5	41.0	328,000
Logan	1,100	900	26.2	32.0	28,800	1,700	1,600	25.4	27.0	43,200
McIntosh	5,500	5,400	31.5	32.0	173,000	4,000	3,800	27.6	29.0	110,200
Ransom	1,700	1,100	29.1	45.0	49,500	1,600	1,600	32.0	32.0	51,200
Richland	1,100	1,000	34.5	38.0	38,000	1,000	1,000	37.0	37.0	37,000
Sargent	1,300	1,200	33.2	36.0	43,200	2,200	2,100	33.4	35.0	73,400
Other Counties	6,600	5,800	29.3	33.4	193,700	2,800	2,400	25.2	29.4	70,600
STATE	135,000	125,000	31.5	34.0	4,250,000	175,000	165,000	29.2	31.0	5,115,000

* Less than 1,000 acres included in other counties.





CORN

North Dakota, 1986

District and County	All Corn	Corn for Grain			Corn for Silage		
	Planted	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)
Burke	800	500	49.6	24,800	300	11.0	3,300
Divide	500	100	40.0	4,000	600	8.7	5,200
Mountrail	2,000	700	42.0	29,400	1,100	7.5	8,300
Renville	1,500	600	40.0	24,000	900	8.0	7,200
Ward	5,100	2,200	72.5	159,500	2,700	10.1	27,200
Williams	1,800	300	40.0	12,000	1,200	13.3	15,900
Northwest	12,000	4,400	57.7	253,700	6,800	9.9	67,100
Benson	9,500	5,900	70.2	413,900	3,600	6.0	21,600
Bottineau	3,000	1,100	55.0	60,500	1,800	7.5	13,500
McHenry	15,500	8,700	79.3	690,000	6,500	6.5	42,300
Pierce	7,000	2,800	60.5	169,400	3,600	7.5	27,000
Rolette	3,000	-	-	-	2,200	5.9	13,000
North Central	38,000	18,500	72.1	1,333,800	17,700	6.6	117,400
Cavalier	300	300	75.7	22,700	-	-	-
Grand Forks	19,800	16,500	101.1	1,667,800	3,200	9.5	30,400
Nelson	4,300	1,100	75.5	83,100	3,200	10.8	34,700
Pembina	8,700	5,900	84.0	495,600	2,400	5.0	12,000
Ramsey	2,300	500	70.6	35,300	1,700	5.0	8,500
Towner	2,200	1,000	65.5	65,500	800	4.5	3,600
Walsh	9,400	6,000	96.0	576,000	3,300	7.5	24,800
Northeast	47,000	31,300	94.1	2,946,000	14,600	7.8	114,000
Dunn	16,700	200	50.0	10,000	13,200	5.5	72,600
McKenzie	5,400	100	104.0	10,400	4,900	11.6	56,700
McLean	13,700	7,300	80.0	583,900	5,800	8.4	48,700
Mercer	9,000	500	55.6	27,800	6,500	7.6	49,300
Oliver	10,200	400	111.0	44,400	8,300	6.4	52,800
West Central	55,000	8,500	79.6	676,500	38,700	7.2	280,100
Eddy	8,500	3,400	92.6	314,900	4,200	7.3	30,800
Foster	8,400	5,000	80.1	400,300	3,200	10.9	34,800
Kidder	19,300	5,600	100.4	562,400	11,200	8.4	94,200
Sheridan	5,500	2,100	64.0	134,400	3,300	5.9	19,400
Stutsman	24,500	13,700	81.4	1,114,900	10,400	9.4	98,200
Wells	16,800	11,100	75.0	832,500	5,000	8.2	40,800
Central	83,000	40,900	82.1	3,359,400	37,300	8.5	318,200
Barnes	21,000	16,700	88.8	1,483,300	4,000	10.0	40,000
Cass	72,000	64,900	105.2	6,825,000	6,800	12.5	85,000
Griggs	6,000	2,600	77.7	202,100	3,300	9.9	32,700
Steele	6,500	5,300	117.7	624,000	1,000	7.5	7,500
Traill	9,500	8,700	111.0	965,700	800	9.8	7,800
East Central	115,000	98,200	102.9	10,100,100	15,900	10.9	173,000
Adams	9,500	1,000	56.5	56,500	7,400	5.1	37,700
Billings	2,000	100	51.0	5,100	1,200	4.5	5,400
Bowman	4,000	900	45.6	41,000	2,800	5.5	15,400
Golden Valley	2,100	100	46.0	4,600	1,200	7.3	8,800
Hettinger	8,900	5,900	64.0	377,600	2,400	5.5	13,200
Slope	3,500	200	54.0	10,800	3,200	5.5	17,600
Stark	15,000	300	50.7	15,200	12,200	7.5	91,500
Southwest	45,000	8,500	60.1	510,800	30,400	6.2	189,600
Burleigh	18,500	4,800	84.0	403,000	9,200	8.5	78,200
Emmons	30,500	8,000	82.2	657,600	20,300	6.3	127,000
Grant	25,000	6,300	49.0	308,700	17,100	5.7	98,000
Morton	35,000	6,900	67.6	466,100	25,100	6.6	165,600
Sioux	6,000	400	33.0	13,200	4,900	6.4	31,200
South Central	115,000	26,400	70.0	1,848,600	76,600	6.5	500,000
Dickey	51,000	39,500	87.2	3,442,900	10,900	8.0	87,700
LaMoure	34,000	25,600	80.1	2,050,900	7,600	9.1	69,000
Logan	12,500	1,400	88.7	124,200	9,200	7.5	69,000
McIntosh	12,000	1,700	64.0	108,800	9,000	6.5	58,500
Ransom	55,000	45,500	107.7	4,901,800	6,900	8.3	57,000
Richland	159,000	140,100	100.6	14,094,600	12,200	7.6	92,600
Sargent	46,500	39,500	89.6	3,537,900	6,200	9.2	56,800
Southeast	370,000	293,300	96.4	28,261,100	62,000	7.9	490,600
STATE	880,000	530,000	93.0	49,290,000	300,000	7.5	2,250,000

CORN CONT.

North Dakota, 1987

District and County	All Corn	Corn for Grain			Corn for Silage		
	Planted	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)
Burke	800	500	50.0	25,000	300	5.0	1,500
Divide	500	--	--	--	300	7.7	2,300
Mountrail	1,400	200	57.5	11,500	1,100	6.7	7,400
Renville	1,500	1,000	69.0	69,000	200	6.0	1,200
Ward	4,200	1,900	77.8	147,900	1,800	7.5	13,500
Williams	1,600	400	93.0	37,200	600	12.2	7,300
Northwest	10,000	4,000	72.7	290,600	4,300	7.7	33,200
Benson	9,000	5,100	73.8	376,500	3,600	7.9	28,400
Bottineau	2,000	700	70.0	49,000	1,000	6.5	6,500
McHenry	13,000	7,600	63.8	485,100	4,200	10.7	44,900
Pierce	6,000	2,900	69.0	200,100	2,300	7.7	17,700
Rolette	2,000	900	57.6	51,800	900	7.7	6,900
North Central	32,000	17,200	67.6	1,162,500	12,000	8.7	104,400
Cavalier	500	300	70.7	21,200	200	6.5	1,300
Grand Forks	16,500	14,000	95.4	1,335,300	2,200	8.3	18,200
Nelson	4,000	2,100	67.5	141,800	1,900	7.6	14,500
Pembina	8,000	6,500	98.4	639,600	1,400	7.0	9,800
Ramsey	2,300	1,800	81.1	146,000	500	6.2	3,100
Towner	1,200	400	61.0	24,400	800	8.5	6,800
Walsh	7,500	6,400	109.6	701,700	1,000	7.1	7,100
Northeast	40,000	31,500	95.6	3,010,000	8,000	7.6	60,800
Dunn	15,500	500	59.0	29,500	12,000	7.6	90,800
McKenzie	3,000	400	118.0	47,200	2,500	12.8	32,100
McLean	9,700	4,700	80.6	379,000	4,100	9.3	38,100
Mercer	7,800	800	85.0	68,000	5,000	5.7	28,600
Oliver	8,000	2,500	67.5	168,800	4,300	7.9	34,100
West Central	44,000	8,900	77.8	692,500	27,900	8.0	223,700
Eddy	7,000	3,200	79.4	254,200	3,600	6.4	23,200
Foster	8,200	5,000	84.4	422,000	2,600	8.2	21,300
Kidder	14,500	4,200	109.3	459,100	9,300	6.5	60,900
Sheridan	4,500	1,700	78.5	133,500	2,500	8.2	20,600
Stutsman	22,000	12,500	71.8	897,600	8,500	9.1	77,400
Wells	14,800	11,300	78.0	881,400	2,900	7.9	23,000
Central	71,000	37,900	80.4	3,047,800	29,400	7.7	226,400
Barnes	19,000	14,200	85.0	1,207,500	4,700	6.1	28,700
Cass	68,000	62,400	99.4	6,204,000	4,100	7.2	29,700
Griggs	5,600	3,000	65.5	196,500	2,000	9.4	18,700
Steele	8,000	7,200	96.3	693,100	600	9.3	5,600
Traill	9,400	8,600	98.5	847,100	600	10.5	6,300
East Central	110,000	95,400	95.9	9,148,200	12,000	7.4	89,000
Adams	8,500	900	52.0	46,800	6,000	6.8	40,900
Billings	1,600	--	--	--	1,400	8.4	11,800
Bowman	3,800	1,200	73.8	88,600	2,300	8.5	19,600
Golden Valley	1,600	200	55.0	11,000	900	6.3	5,700
Hettinger	7,000	5,000	73.0	365,000	1,200	6.0	7,200
Slope	3,000	200	59.0	11,800	2,100	7.7	16,200
Stark	10,500	700	85.0	59,500	9,300	8.6	79,600
Southwest	36,000	8,200	71.1	582,700	23,200	7.8	181,000
Burleigh	14,500	4,300	74.4	319,800	7,000	8.1	56,400
Emmons	26,000	3,700	105.4	389,800	19,400	6.7	130,200
Grant	22,000	7,800	55.5	432,900	12,700	5.8	73,300
Morton	29,000	9,000	76.4	687,500	17,400	7.4	128,800
Sioux	5,500	900	71.4	64,300	2,600	5.5	14,300
South Central	97,000	25,700	73.7	1,894,300	59,100	6.8	403,000
Dickey	47,000	37,900	94.0	3,562,100	8,800	8.9	78,300
LaMoure	30,500	22,800	78.3	1,784,800	7,000	7.4	52,000
Logan	11,500	1,800	78.8	141,800	8,400	5.9	49,600
McIntosh	11,000	800	70.4	56,300	8,900	6.0	53,400
Ransom	48,500	41,600	98.1	4,079,000	6,600	7.3	48,100
Richland	143,000	132,300	105.6	13,972,000	10,500	9.0	94,500
Sargent	38,500	34,000	90.5	3,075,400	3,900	7.1	27,600
Southeast	330,000	271,200	98.3	26,671,400	54,100	7.5	403,500
STATE	770,000	500,000	93.0	46,500,000	230,000	7.5	1,725,000

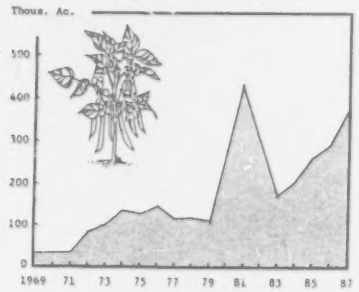
DRY BEANS

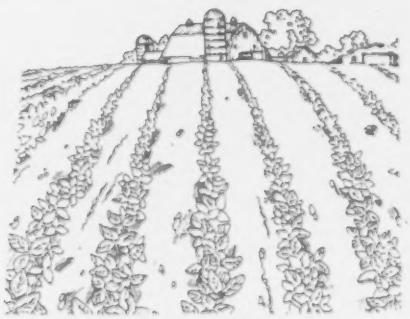
North Dakota, 1986 and 1987

County	1986					1987				
	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(Cwt.)	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(Cwt.)
Cavalier	1,200	1,200	1310	1310	15,720	1,200	1,200	1300	1300	15,600
Grand Forks	72,000	71,600	1541	1550	1,109,830	83,000	79,500	1293	1350	1,073,400
Nelson	1,500	1,500	950	950	14,250	2,000	2,000	1120	1120	22,400
Pembina	38,000	31,700	959	1150	364,550	41,000	41,000	1310	1310	537,100
Ramsey	3,600	3,000	833	1000	30,000	4,300	4,300	1400	1400	60,200
Towner	1,700	1,700	1360	1360	23,120	3,500	3,200	1234	1350	43,200
Walsh	32,000	31,800	1590	1600	508,800	35,000	35,000	1310	1310	458,500
Dunn	*					700	600	960	1120	6,720
McLean	1,600	1,500	1453	1550	23,250	4,000	4,000	1650	1650	66,000
Kidder	*					600	500	1333	1600	8,000
Sheridan	500	500	1390	1390	6,950	*				
Stutsman	*					800	800	1400	1400	11,200
Wells	7,700	7,600	1382	1400	106,400	11,500	11,500	1340	1340	154,100
Barnes	500	500	1400	1400	7,000	1,000	1,000	1570	1570	15,700
Cass	28,000	27,500	1719	1750	481,250	40,000	39,000	1609	1650	643,500
Griggs	4,500	4,500	1350	1350	60,750	18,000	17,000	1341	1420	241,400
Steele	29,000	28,500	1808	1840	524,400	32,000	31,000	1415	1460	452,640
Traill	48,000	47,000	1566	1600	751,800	49,000	45,000	1240	1350	607,480
Adams	*					800	800	1160	1160	9,280
Bowman	*					500	500	1200	1200	6,000
Hettinger	1,500	1,500	1500	1500	22,500	7,500	7,500	1080	1080	81,000
Stark	1,100	1,000	1182	1300	13,000	*				
Burleigh	500	500	1260	1260	6,300	500	500	1300	1300	6,500
Grant	*					2,500	2,500	1240	1240	31,000
Dickey	600	600	1900	1900	11,400	500	500	1350	1350	6,750
LaMoure	2,000	2,000	1960	1960	39,200	4,000	4,000	1520	1520	60,800
Ransom	4,700	4,600	1517	1550	71,300	12,000	12,000	1600	1600	192,000
Richland	5,000	5,000	1690	1690	94,500	6,500	6,500	1530	1530	99,450
Sargent	700	700	1290	1290	9,030	5,000	5,000	1500	1500	75,000
Other Counties	4,100	4,000	1271	1303	52,120	2,600	2,600	1580	1580	41,080
STATE	290,000	280,000	1497	1550	4,340,000	370,000	359,000	1358	1400	5,026,000

* Less than 500 acres, included in other counties.

DRY BEAN PLANTED ACRES
North Dakota, 1969-87

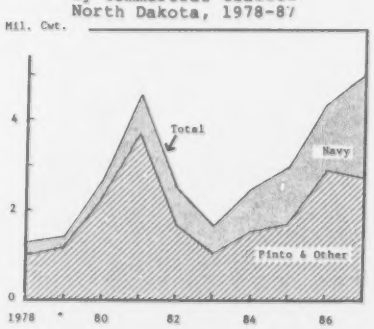




DRY BEAN PRODUCTION,
by Commercial Classes, North Dakota,
1978 - 87

Year	Peas, Navy	Pinto	Other	Total
	- - - -	000 Cwt.	- - - -	
1978	270	966	7	1,243
1979	247	1,158	13	1,418
1980	404	2,248	26	2,678
1981	870	3,570	125	4,565
1982	840	1,596	84	2,520
1983	598	1,020	30	1,648
1984	960	1,500	60	2,520
1985	1,300	1,650	60	3,010
1986	1,435	2,820	85	4,340
1987	2,262	2,694	70	5,026

DRY BEAN PRODUCTION
By Commercial Classes
North Dakota, 1978-87

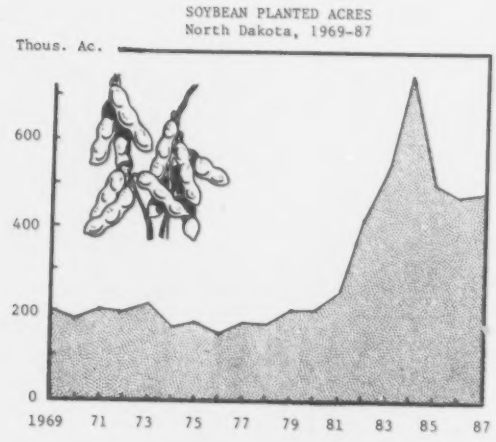


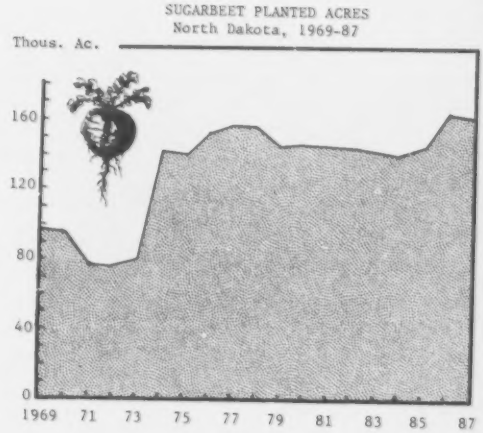
SOYBEANS & SUGARBEETS

North Dakota, 1986 and 1987

County	1986					1987				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
SOYBEANS 1/										
Grand Forks	33,000	32,600	31.1	31.5	1,027,000	32,000	31,500	28.5	29.0	913,000
Nelson	1,600	1,600	23.5	23.5	37,600	1,500	1,500	25.5	25.5	38,200
Pembina	9,000	9,000	27.0	27.0	243,000	12,000	12,000	31.0	31.0	372,000
Ramsey	400	400	18.5	18.5	7,400	2,000	2,000	25.5	25.5	51,000
Towner	--	--	--	--	--	600	600	21.0	21.0	12,600
Walsh	5,000	5,000	24.0	24.0	120,000	1,900	1,900	27.5	27.5	52,200
Eddy	100	100	21.0	21.0	2,100	500	500	25.0	25.0	12,500
Foster	100	100	28.0	28.0	2,800	--	--	--	--	--
Sheridan	100	100	23.0	23.0	2,300	200	200	27.5	27.5	5,500
Stutsman	300	300	27.7	27.7	8,300	1,100	1,000	27.3	30.0	30,000
Wells	4,600	4,600	22.5	22.5	103,500	6,700	6,300	22.1	23.5	148,000
Barnes	4,000	4,000	28.0	28.0	112,000	15,000	14,700	28.4	29.0	426,500
Cass	156,000	155,500	37.9	38.0	5,912,500	157,000	155,500	34.2	34.5	5,365,000
Griggs	2,000	2,000	29.5	29.5	59,000	3,500	3,000	23.1	27.0	81,000
Steele	12,000	11,900	33.3	33.5	399,000	14,500	14,300	30.1	30.5	436,500
Traill	46,000	45,600	35.2	35.5	1,620,500	40,000	39,500	32.6	33.0	1,304,000
Dickey	1,000	900	26.6	29.6	26,600	1,000	1,000	28.0	28.0	28,000
LaMoure	1,500	1,500	27.5	27.5	41,300	2,000	2,000	26.0	26.0	52,000
Ransom	5,000	4,500	29.3	32.5	146,400	6,000	5,800	30.0	31.0	179,800
Richland	187,000	184,300	34.1	34.6	6,377,500	172,000	171,500	32.9	33.0	5,656,300
Sargent	5,500	5,300	34.2	35.5	188,200	9,000	8,700	26.1	27.0	234,900
Other Counties	800	700	16.3	18.6	13,000	1,500	1,500	26.0	26.0	39,000
STATE	475,000	470,000	34.6	35.0	16,450,000	480,000	475,000	32.2	32.5	15,438,000
SUGARBEETS										
			(Tons)	(Tons)	(Tons)			(Tons)	(Tons)	(Tons)
Williams	4,100	4,100	18.0	18.0	73,800	4,000	4,000	21.2	21.2	84,800
Grand Forks	12,900	12,900	18.7	18.7	241,300	12,000	12,000	21.0	21.0	252,000
Pembina	38,800	38,800	16.9	16.9	655,500	37,500	37,500	19.6	19.6	736,700
Walsh	28,900	28,800	17.9	18.0	518,400	30,100	30,100	19.2	19.2	579,400
McKenzie	8,200	8,000	21.6	22.1	176,800	8,300	8,300	25.2	25.2	209,200
Cass	17,900	17,800	18.7	18.8	334,600	17,800	17,800	17.5	17.5	311,500
Traill	30,200	29,800	17.6	17.8	530,400	30,600	28,800	18.6	19.8	570,200
Richland	23,800	23,600	16.9	17.0	401,200	23,000	22,800	18.1	18.3	417,200
STATE	164,800	163,800	17.8	17.9	2,932,000	163,300	161,300	19.4	19.6	3,161,000

1/ 1986 revised.





IRRIGATION

ALL WHEAT, SPRING WHEAT OTHER THAN DURUM, DURUM WHEAT AND BARLEY:
North Dakota, 1986

County	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
	ALL WHEAT 1/					SPRING WHEAT OTHER THAN DURUM				
Divide	1,700	1,600	55.5	59.0	94,400	500	500	52.4	52.4	26,200
Ward	500	500	46.0	46.0	23,000	500	500	46.0	46.0	23,000
Williams	4,100	4,100	54.9	54.9	225,200	3,000	3,000	57.5	57.5	172,500
Benson	1,700	1,700	36.4	36.4	61,900	400	400	41.0	41.0	16,400
McHenry	300	300	54.0	54.0	16,200	300	300	54.0	54.0	16,200
Grand Forks	1,000	1,000	53.0	53.0	53,000	1,000	1,000	53.0	53.0	53,000
Ramsey	200	200	40.0	40.0	8,000	100	100	40.0	40.0	4,000
Walsh	100	100	45.0	45.0	4,500	100	100	45.0	45.0	4,500
McKenzie	5,500	5,400	65.8	67.0	361,800	5,500	5,400	65.8	67.0	361,800
McLean	2,300	2,300	42.3	42.3	97,300	1,300	1,300	41.0	41.0	53,300
Mercer	100	100	40.0	40.0	4,000	100	100	40.0	40.0	4,000
Oliver	300	300	43.0	43.0	12,900	300	300	43.0	43.0	12,900
Eddy	500	500	40.0	40.0	20,000	500	500	40.0	40.0	20,000
Foster	700	700	39.3	39.3	27,500	500	500	41.0	41.0	20,500
Kidder	2,000	2,000	48.5	48.5	97,000	2,000	2,000	48.5	48.5	97,000
Stutsman	200	200	41.0	41.0	8,200	100	100	42.0	42.0	4,200
Barnes	700	700	35.0	35.0	24,500	700	700	35.0	35.0	24,500
Cass	2,300	2,300	38.3	38.3	88,200	1,700	1,700	36.0	36.0	61,200
Griggs	500	500	40.0	40.0	20,000	500	500	40.0	40.0	20,000
Steele	500	500	46.0	46.0	23,000	400	400	45.0	45.0	18,000
Traill	100	100	50.0	50.0	5,000	100	100	50.0	50.0	5,000
Burleigh	100	100	60.0	60.0	6,000	100	100	60.0	60.0	6,000
Emmons	1,000	1,000	54.0	54.0	54,000	1,000	1,000	54.0	54.0	54,000
Grant	100	100	45.0	45.0	4,500	100	100	45.0	45.0	4,500
Sioux	200	200	40.0	40.0	8,000	200	200	40.0	40.0	8,000
Dickey	1,000	1,000	29.0	29.0	29,000	200	200	45.0	45.0	9,000
LaMoure	800	800	33.1	33.1	26,500	700	700	35.0	35.0	24,500
Logan	300	300	34.0	34.0	10,200	200	200	40.0	40.0	8,000
Ransom	700	700	55.0	55.0	38,500	700	700	55.0	55.0	38,500
Sargent	100	100	22.0	22.0	2,200	---	---	---	---	---
STATE	29,600	29,400	49.1	49.5	1,454,500	22,800	22,700	51.3	51.6	1,170,700
	DURUM WHEAT 1/					BARLEY				
Divide	1,200	1,100	56.8	62.0	68,200	---	---	---	---	---
Ward	---	---	---	---	---	200	200	55.0	55.0	11,000
Williams	1,100	1,100	47.9	47.9	52,700	300	300	69.0	69.0	20,700
Benson	1,300	1,300	35.0	35.0	45,500	100	100	75.0	75.0	7,500
McHenry	---	---	---	---	---	100	100	75.0	75.0	7,500
Rolette	---	---	---	---	---	100	100	70.0	70.0	7,000
Grand Forks	---	---	---	---	---	100	100	80.0	80.0	8,000
Ramsey	100	100	40.0	40.0	4,000	100	100	70.0	70.0	7,000
McKenzie	---	---	---	---	---	1,400	1,300	81.4	87.6	113,900
McLean	1,000	1,000	44.0	44.0	44,000	200	200	80.0	80.0	16,000
Oliver	---	---	---	---	---	700	600	42.9	50.0	30,000
Eddy	---	---	---	---	---	400	400	80.0	80.0	32,000
Foster	200	200	35.0	35.0	7,000	200	200	75.0	75.0	15,000
Kidder	---	---	---	---	---	300	300	65.0	65.0	19,500
Stutsman	100	100	40.0	40.0	4,000	---	---	---	---	---
Cass	600	600	45.0	45.0	27,000	---	---	---	---	---
Griggs	---	---	---	---	---	400	400	65.0	65.0	26,000
Steele	100	100	50.0	50.0	5,000	---	---	---	---	---
Golden Valley	---	---	---	---	---	400	400	70.0	70.0	28,000
Burleigh	---	---	---	---	---	500	500	70.0	70.0	35,000
Emmons	---	---	---	---	---	600	500	58.3	70.0	35,000
Grant	---	---	---	---	---	100	100	65.0	65.0	6,500
Morton	---	---	---	---	---	100	100	75.0	75.0	7,500
Dickey	800	800	25.0	25.0	20,000	700	700	63.6	63.6	44,500
LaMoure	100	100	20.0	20.0	2,000	300	300	55.0	55.0	16,500
Logan	100	100	22.0	22.0	2,200	100	100	50.0	50.0	5,000
Ransom	---	---	---	---	---	300	300	60.0	60.0	18,000
Sargent	100	100	22.0	22.0	2,200	100	100	85.0	85.0	8,500
STATE	6,800	6,700	41.7	42.4	283,800	7,800	7,500	67.4	70.1	525,600

1/ Revised

IRRIGATION CONT.

ALL WHEAT, SPRING WHEAT OTHER THAN DURUM, DURUM WHEAT AND BARLEY
North Dakota, 1987

County	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
	ALL WHEAT					SPRING WHEAT OTHER THAN DURUM				
Divide	1,500	1,500	55.0	55.0	82,500	---	---	---	---	---
Ward	300	300	45.0	45.0	13,500	300	300	45.0	45.0	13,500
Williams	3,800	3,800	55.3	55.3	210,200	2,000	2,000	59.0	59.0	118,000
Benson	1,300	1,300	34.9	34.9	45,400	900	900	32.0	32.0	28,800
Bottineau	200	200	40.0	40.0	8,000	200	200	40.0	40.0	8,000
McHenry	300	300	46.0	46.0	13,800	300	300	46.0	46.0	13,800
Grand Forks	600	600	45.0	45.0	27,000	600	600	45.0	45.0	27,000
Walsh	100	100	40.0	40.0	4,000	100	100	40.0	40.0	4,000
McKenzie	4,800	4,800	67.5	67.5	324,000	4,800	4,800	67.5	67.5	324,000
McLean	1,900	1,900	40.7	40.7	77,400	1,400	1,400	41.0	41.0	57,400
Mercer	100	100	35.0	35.0	3,500	100	100	35.0	35.0	3,500
Oliver	100	100	40.0	40.0	4,000	100	100	40.0	40.0	4,000
Eddy	500	500	35.0	35.0	17,500	500	500	35.0	35.0	17,500
Foster	800	800	35.0	35.0	28,000	800	800	35.0	35.0	28,000
Kidder	1,100	1,100	43.5	43.5	47,900	1,100	1,100	43.5	43.5	47,900
Stutsman	300	300	47.0	47.0	14,100	300	300	47.0	47.0	14,100
Barnes	500	500	40.0	40.0	20,000	500	500	40.0	40.0	20,000
Cass	1,700	1,700	43.5	43.5	74,000	1,700	1,700	43.5	43.5	74,000
Griggs	700	700	38.3	38.3	26,800	600	600	38.0	38.0	22,800
Steele	500	500	42.0	42.0	21,000	400	400	40.0	40.0	16,000
Traill	100	100	45.0	45.0	4,500	100	100	45.0	45.0	4,500
Burleigh	100	100	45.0	45.0	4,500	100	100	45.0	45.0	4,500
Emmons	1,000	1,000	55.0	55.0	55,000	1,000	1,000	55.0	55.0	55,000
Morton	100	100	40.0	40.0	4,000	100	100	40.0	40.0	4,000
Sioux	400	400	40.0	40.0	16,000	400	400	40.0	40.0	16,000
Dickey	700	700	58.1	58.1	40,700	300	300	65.0	65.0	19,500
LaMoure	500	500	50.0	50.0	25,000	200	200	50.0	50.0	10,000
Logan	400	400	60.0	60.0	24,000	400	400	60.0	60.0	24,000
Ransom	700	700	50.0	50.0	35,000	700	700	50.0	50.0	35,000
Sargent	100	100	50.0	50.0	5,000	100	100	50.0	50.0	5,000
STATE	25,200	25,200	50.6	50.6	1,276,300	20,100	20,100	50.7	50.7	1,019,800
	DURUM WHEAT					BARLEY				
Divide	1,500	1,500	55.0	55.0	82,500	---	---	---	---	---
Ward	---	---	---	---	---	200	200	55.0	55.0	11,000
Williams	1,800	1,800	51.2	51.2	92,200	300	300	60.0	60.0	18,000
Benson	400	400	41.5	41.5	16,600	200	200	70.0	70.0	14,000
Rolette	---	---	---	---	---	100	100	65.0	65.0	6,500
Grand Forks	---	---	---	---	---	100	100	65.0	65.0	6,500
McKenzie	---	---	---	---	---	700	700	82.7	82.7	57,900
McLean	500	500	40.0	40.0	20,000	300	300	90.0	90.0	27,000
Mercer	---	---	---	---	---	100	100	80.0	80.0	8,000
Oliver	---	---	---	---	---	100	100	80.0	80.0	8,000
Eddy	---	---	---	---	---	200	200	75.0	75.0	15,000
Kidder	---	---	---	---	---	200	200	65.0	65.0	13,000
Stutsman	---	---	---	---	---	100	100	75.0	75.0	7,500
Barnes	---	---	---	---	---	200	200	60.0	60.0	12,000
Cass	---	---	---	---	---	200	200	70.0	70.0	14,000
Griggs	100	100	40.0	40.0	4,000	500	500	65.0	65.0	32,500
Steele	100	100	50.0	50.0	5,000	---	---	---	---	---
Golden Valley	---	---	---	---	---	300	300	72.0	72.0	21,600
Burleigh	---	---	---	---	---	100	100	74.0	74.0	7,400
Emmons	---	---	---	---	---	500	500	70.0	70.0	35,000
Grant	---	---	---	---	---	200	200	65.0	65.0	13,000
Morton	---	---	---	---	---	300	300	68.0	68.0	20,400
Sioux	---	---	---	---	---	100	100	50.0	50.0	5,000
Dickey	400	400	53.0	53.0	21,200	300	300	80.0	80.0	24,000
LaMoure	300	300	50.0	50.0	15,000	100	100	75.0	75.0	7,500
Logan	---	---	---	---	---	300	300	65.3	65.3	19,600
Ransom	---	---	---	---	---	100	100	75.0	75.0	7,500
Sargent	---	---	---	---	---	100	100	80.0	80.0	8,000
STATE	5,100	5,100	50.3	50.3	256,500	5,900	5,900	71.2	71.2	419,900

IRRIGATION CONT.

CORN FOR GRAIN AND CORN FOR SILAGE
North Dakota, 1986 and 1987

County	1986			1987		
	Acres Harvested	Yield per Harvested Acre	Production	Acres Harvested	Yield per Harvested Acre	Production
	(Acres)	(Bu.)	(Bu.)	(Acres)	(Bu.)	(Bu.)
CORN FOR GRAIN						
Ward	---	---	---	200	85.0	17,000
Williams	---	---	---	200	112.0	22,400
Benson	900	96.0	86,400	900	80.0	72,000
McHenry	1,500	100.0	150,000	700	87.0	60,900
Grand Forks	1,000	141.0	141,000	900	130.0	117,000
Pembina	---	---	---	200	110.0	22,000
McKenzie	100	104.0	10,400	400	118.0	47,200
McLean	1,400	101.0	141,400	1,000	115.0	115,000
Mercer	---	---	---	800	85.0	68,000
Oliver	400	111.0	44,400	---	---	---
Eddy	400	101.0	40,400	400	89.5	35,800
Foster	700	105.0	73,500	1,500	90.0	135,000
Kidder	4,400	109.0	479,600	3,100	128.5	398,400
Stutsman	900	101.0	90,900	1,300	96.0	124,800
Barnes	900	112.0	100,800	1,300	135.0	175,500
Cass	5,700	138.0	786,600	6,400	107.5	688,000
Griggs	400	101.0	40,400	500	93.0	46,500
Steele	1,000	151.0	151,000	1,200	134.8	161,800
Burleigh	2,300	110.0	253,000	800	128.5	102,800
Emmons	2,400	141.0	338,400	1,900	145.0	275,500
Morton	500	113.0	56,500	300	95.0	28,500
Sioux	---	---	---	500	89.0	44,500
Dickey	7,700	125.0	962,500	7,900	150.9	1,192,100
LaMoure	2,700	115.0	310,500	2,100	115.5	242,600
Logan	500	116.0	58,000	400	123.5	49,400
Ransom	14,000	133.0	1,862,000	12,600	135.0	1,701,000
Richland	1,100	121.0	133,100	1,100	118.5	130,400
Sargent	5,800	119.0	690,200	6,300	143.0	900,900
STATE	56,700	123.5	7,001,000	54,900	127.0	6,975,000
CORN FOR SILAGE						
	(Acres)	(Ton)	(Ton)	(Acres)	(Ton)	(Ton)
Divide	100	14.0	1,400	100	12.0	1,200
Ward	200	17.0	3,400	---	---	---
Williams	500	17.0	8,500	400	13.5	5,400
McHenry	---	---	---	600	15.7	9,400
Rolette	200	15.0	3,000	200	10.0	2,000
Nelson	300	14.0	4,200	300	13.7	4,100
Dunn	---	---	---	100	16.0	1,600
McKenzie	1,500	18.5	27,800	1,100	18.4	20,200
McLean	700	18.6	13,000	700	17.0	11,900
Mercer	1,000	19.0	19,000	300	14.0	4,200
Oliver	300	16.0	4,800	1,000	15.0	15,000
Eddy	200	14.0	2,800	200	10.5	2,100
Foster	1,000	15.0	15,000	200	10.5	2,100
Kidder	400	19.5	7,800	500	11.0	5,500
Sheridan	100	18.0	1,800	---	---	---
Stutsman	1,500	18.0	27,000	1,200	13.4	16,100
Wells	100	16.0	1,600	300	10.0	3,000
Griggs	1,400	14.5	20,300	1,400	10.0	14,000
Traill	100	15.0	1,500	100	15.0	1,500
Adams	100	12.0	1,200	---	---	---
Golden Valley	400	13.0	5,200	200	11.0	2,200
Stark	---	---	---	100	14.0	1,400
Burleigh	---	---	---	500	14.0	7,000
Emmons	---	---	---	1,000	12.0	12,000
Grant	600	12.0	7,200	700	8.7	6,100
Morton	1,500	11.8	17,700	2,000	10.5	21,000
Sioux	300	12.0	3,600	---	---	---
LaMoure	100	15.0	1,500	200	15.0	3,000
Ransom	300	14.0	4,200	200	10.0	2,000
Sargent	200	14.0	2,800	100	10.0	1,000
STATE	13,100	15.7	206,300	13,700	12.8	175,000

FARM MARKETINGS

ESTIMATED PERCENT OF CROP YEAR TOTAL SOLD IN OPEN MARKET BY MONTHS
North Dakota, 1982-86

Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
						Percent						
ALL WHEAT												
1982	9	14	15	6	7	4	5	6	8	8	7	11
1983	7	21	13	7	8	7	6	6	7	6	4	8
1984	5	22	11	9	10	5	5	7	6	6	6	8
1985	5	8	12	11	8	9	9	5	8	8	7	10
1986	9	8	12	11	6	10	6	8	6	6	7	11
BARLEY												
1982	9	19	7	3	5	7	6	9	6	10	8	11
1983	7	22	10	9	9	6	6	6	7	5	5	8
1984	8	28	8	6	6	5	6	5	6	6	6	10
1985	8	16	9	6	5	7	9	6	6	6	8	14
1986	6	16	12	7	7	8	6	11	8	6	5	8
OATS												
1982	11	18	8	6	5	9	6	7	7	9	6	8
1983	5	22	12	10	9	8	8	5	5	5	4	7
1984	9	22	12	7	8	9	6	5	6	6	4	6
1985	9	13	11	8	5	7	16	8	7	5	4	7
1986	6	10	8	5	7	10	12	9	4	6	11	12
FLAXSEED												
1982	4	7	36	11	12	5	3	2	2	4	3	11
1983	4	12	40	16	6	3	5	3	3	3	2	3
1984	2	14	25	12	10	5	13	4	4	3	6	2
1985	1	1	9	35	11	3	6	5	7	6	2	14
1986	2	1	9	45	14	9	3	2	2	2	2	9
RYE												
1982	22	28	4	12	11	1	1	1	1	4	1	14
1983	8	44	9	2	3	1	9	3	1	5	6	10
1984	10	18	4	3	1	6	10	10	13	1	15	9
1985	14	7	20	3	2	5	16	1	9	5	12	6
1986	7	8	15	6	1	4	9	7	6	10	19	8

Year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
POTATOES												
1982	--	10	8	7	8	14	11	17	17	7	1	--
1983	1	8	10	10	12	12	13	15	16	3	--	--
1984	--	8	11	11	11	12	12	16	12	6	1	--
1985	--	8	8	12	12	12	12	13	15	7	1	--
1986	--	11	10	9	10	11	13	14	15	6	1	--

Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
SUNFLOWER												
1982	1	9	21	15	8	5	7	10	8	9	4	3
1983	5	40	20	10	6	3	4	5	2	2	1	1
1984	--	14	39	9	6	3	5	8	6	7	2	1
1985	--	4	14	12	15	7	6	9	10	13	8	2
1986	3	13	18	12	6	6	6	6	8	11	9	2
SOYBEANS												
1982	2	16	21	14	4	7	2	10	7	7	7	3
1983	10	21	26	10	3	5	5	7	5	5	2	1
1984	4	23	11	7	14	5	6	5	7	6	9	3
1985	5	14	18	20	6	6	7	4	6	3	6	5
1986	1	13	12	8	15	11	8	5	5	9	10	3
DRY BEANS												
1982	23	27	7	8	6	5	5	4	5	5	2	3
1983	19	10	10	4	4	7	7	6	11	8	3	11
1984	32	9	9	11	10	4	6	7	3	6	2	1
1985	14	19	10	9	16	3	5	9	4	5	4	2
1986	20	29	9	8	7	5	5	2	5	3	2	5

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
CORN												
1982	2	8	13	13	5	7	7	10	5	10	14	6
1983	14	28	6	11	6	11	6	3	5	5	2	3
1984	18	19	8	4	5	9	7	3	6	17	2	2
1985	9	34	21	12	7	2	3	3	3	3	1	2
1986	11	7	4	6	14	11	7	13	6	7	4	10

Year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
ALL HAY												
1982	4	10	6	5	11	13	8	10	11	10	8	4
1983	1	4	8	7	7	13	9	15	6	14	12	4
1984	1	3	2	9	10	19	12	14	11	9	6	4
1985	3	15	7	8	10	16	9	9	7	9	6	1
1986	4	14	8	9	11	16	9	8	6	9	4	2

June 1988

-NOTES-

LIVESTOCK

DAIRY

POULTRY

NORTH DAKOTA LIVESTOCK

CATTLE

All cattle and calves totaled 1.8 million head on January 1, 1988, down 5 percent from January 1987 and 10 percent less than the 1986 total. This is the fourth consecutive yearly decline after the inventory reached 2.1 million head in 1984. The number of heifers for beef cow replacement and other heifers increased from the 1987 level, while milk replacement heifers declined. Beef cow numbers fell 4 percent while the number of dairy cows was up 8 percent. The 1987 calf crop of 960,000 head was down 4 percent. There were 16,000 cattle operations during 1987, 1,200 fewer than 1986.

Value of cattle and calves on hand January 1 was estimated at $1,071.0 million, up 34 percent. Value per head rose to $595 from $420 in 1987.

HOGS

The December 1, 1987 hog and pig inventory totaled 320,000 up 16 percent from 1986. Hog inventories over the past 10 years have fluctuated from a high of 370,000 in 1979 to a low of 210,000 in 1982. Breeding hogs increased 19 percent while the number of market hogs were up 16 percent. Number of farms with hogs in 1987 was 2,600 down from 3,000 in 1986.

The average value per head on December 1, 1987, at $77.50 was down 12 percent from 1986. Total value of hogs and pigs was $24.8 million, up 2 percent.

SHEEP

A total of 169,000 sheep and lambs were on farms January 1, 1988, down 9 percent from the previous year. Stock sheep and lamb numbers fell 11 percent to 142,000 head. Wool production during 1987 rose 6 percent from 1986. The number of sheep shorn rose 8 percent, but the average weight per fleece of 9.5 pounds was below the 9.6 in 1986. The value of wool production jumped 32 percent to total $1.2 million.

DAIRY & POULTRY

Milk production for 1987 was 1,103 million pounds, up 3 percent from 1986. Average milk per cow was 11,860 lbs., up slightly from 11,072 in 1986. An average 93,000 cows were on farms during 1987, down 4,000 head from the 1986 average.

Farm value of the milk produced in 1987 was $122.4 million, up from $121.4 million in 1986. The average price was $11.10 per hundredweight, 20 cents lower than 1986.

Chicken inventory on December 1, 1987 totaled 315,000, up 9 percent from the previous year. Number of laying age was up 2 percent from December 1986. Total value of chickens on December 1, 1987 at $693,000 was up 14 percent from 1986. Egg production dropped to 58 million from 61 million eggs in 1986.

LIVESTOCK INVENTORY
January 1, North Dakota, 1979-88

Year	All Cattle	All Hogs 1/	All Sheep	All Chickens 1/
	- - - (Thousand Head) - - -			
1979	1,967	335	198	560
1980	2,000	370	236	520
1981	1,850	265	272	460
1982	2,000	280	280	500
1983	2,050	210	222	510
1984	2,100	260	219	625
1985	2,050	255	215	635
1986	2,000	285	180	540
1987	1,900	275	185	290
1988	1,800	320	169	315

1/ Relates to December 1 previous year.

NUMBER OF LIVESTOCK FARMS BY SPECIE AND
NUMBER OF ALL FARMS, North Dakota, 1978-87

Year	All Cattle	Beef Cows	Milk Cows	Hogs	All Sheep	All Farms
	- - - Thousand - - -					
1978	22.0		5.1	4.8	1.8	41.0
1979	22.0		4.8	4.5	1.8	40.5
1980	21.0		4.2	4.0	2.1	40.0
1981	20.0		4.2	3.6	2.1	38.5
1982	19.2		4.0	2.8	2.2	37.0
1983	19.0		3.9	2.8	2.0	36.5
1984	18.5		3.7	3.0	2.1	35.5
1985	17.8		3.5	3.0	2.0	34.0
1986	17.2	15.0	3.0	3.0	1.8	33.0
1987	16.0	13.7	2.5	2.6	1.9	32.5

COMMERCIAL LIVESTOCK SLAUGHTER
North Dakota, 1983-87

Year	Number	Average Liveweight Per Head	Total Liveweight	Red Meat Production
	(000 Hd.)	(Lbs.)	(000 Lbs.)	(000 Lbs.)
		CATTLE		
1983	159.0	1,083	172,142	NA
1984	182.3	1,065	194,125	NA
1985	161.4	1,088	175,479	NA
1986	146.7	1,089	159,812	NA
1987	81.6	1,107	90,296	NA
		HOGS		
1983	70.2	218	15,301	NA
1984	78.4	214	16,806	NA
1985	85.0	215	18,303	NA
1986	81.0	218	17,626	NA
1987	71.7	219	15,696	NA
		ALL SPECIES		
1983	230.6	NA	187,696	100,742
1984	262.1	NA	211,191	112,679
1985	247.6	NA	194,004	104,268
1986	228.9	NA	177,676	94,731
1987	154.4	NA	106,190	58,193

NA - Not Available

LIVESTOCK VALUES: January 1, North Dakota, 1984-88

Species	Value Per Head					Total Value				
	1984	1985	1986	1987	1988	1984	1985	1986	1987	1988
	- - - - - Dollars - - - - -					- - - - - Thousand Dollars - - - - -				
All Cattle	420.00	415.00	395.00	420.00	595.00	882,000	850,750	790,000	798,000	1,071,000
All Hogs 1/	64.00	75.50	68.50	88.50	77.50	16,640	19,253	19,523	24,338	24,800
All Sheep	48.00	55.00	66.00	79.50	94.50	10,512	11,825	11,880	14,708	15,971
All Chickens 1/	2.00	2.10	2.00	2.10	2.20	1,250	1,334	1,080	609	693

1/ Relates to December 1 previous year.

CATTLE

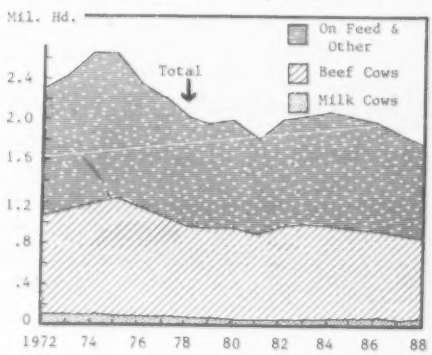
INVENTORY NUMBERS
North Dakota, 1984-88

Class	January 1				
	1984	1985	1986	1987	1988
	- - - - - - Thousand Head - - - - - -				
ALL CATTLE	2,100	2,050	2,000	1,900	1,800
Cows & Heifers that have calved	1,092	1,061	1,060	1,000	970
Beef	993	964	958	908	871
Milk	99	97	102	92	99
Heifers over 500 lbs.	269	297	310	302	313
Beef Replacement	145	148	134	139	143
Milk Replacement	26	29	36	33	26
Other	98	120	140	130	144
Steers over 500 lbs.	189	195	210	195	216
Bulls over 500 lbs.	52	49	50	46	46
Steers, Heifers & Bulls under 500 lbs.	498	448	370	357	255

PRODUCTION, DISPOSITION & INCOME
North Dakota, 1984-87

Item	Unit	1984	1985	1986	1987
Number on Hand Beginning of Yr.	000 Head	2,100	2,050	2,000	1,900
Calves Born	000 Head	1,050	1,040	1,000	960
Inshipments	000 Head	80	85	60	65
Marketings:					
Cattle	000 Head	748	702	709	647
Calves	000 Head	335	380	360	400
Total	000 Head	1,083	1,082	1,069	1,047
Farm Slaughter	000 Head	6	8	6	5
Deaths:					
Cattle	000 Head	21	20	20	18
Calves	000 Head	70	65	65	55
Total	000 Head	91	85	85	73
Number on Hand End of Year	000 Head	2,050	2,000	1,900	1,800
Production	000 Lbs.	836,260	832,820	752,450	748,790
Marketings	000 Lbs.	891,130	873,030	866,480	814,350
Price/100 Lbs.:					
Cattle	Dollars	52.70	53.30	51.30	64.10
Calves	Dollars	62.30	64.10	63.50	81.60
All Classes	Dollars	53.92	54.89	53.02	67.01
Cash Receipts	000 Dols.	480,520	479,238	459,389	545,729
Value of Home Consumption	000 Dols.	7,156	7,874	6,713	7,775
Gross Income	000 Dols.	487,676	487,112	466,102	553,504

CATTLE & CALVES ON FARMS
North Dakota, January 1, 1972-88



HISTORIC INVENTORY NUMBERS
North Dakota, January 1, 1979-88

Year	Cows That Have Calved		On Feed	Other	Total Cattle & Calves
	Beef	Dairy			
	- - - - - Thousand Head - - - - -				
1979	962	96	34	875	1,967
1980	962	93	39	906	2,000
1981	910	93	37	810	1,850
1982	978	92	36	894	2,000
1983	1,005	95	39	911	2,050
1984	993	99	35	973	2,100
1985	964	97	38	951	2,050
1986	958	102	42	898	2,000
1987	908	92	38	862	1,900
1988	871	99	45	785	1,800

GRAZING RATES 1/
North Dakota, 1979-87

Year	Survey Average Rates	
	Animal Unit	Cow-Calf
	- - - Dollars - - -	
1979	6.29	7.74
1980	6.35	7.24
1981	8.69	9.52
1982	8.34	9.92
1983	7.90	9.25
1984	8.23	9.62
1985	6.97	8.88
1986	7.63	9.14
1987	7.41	8.86

1/ Privately owned non-irrigated land from June Acreage and Livestock Survey, published in December prices.

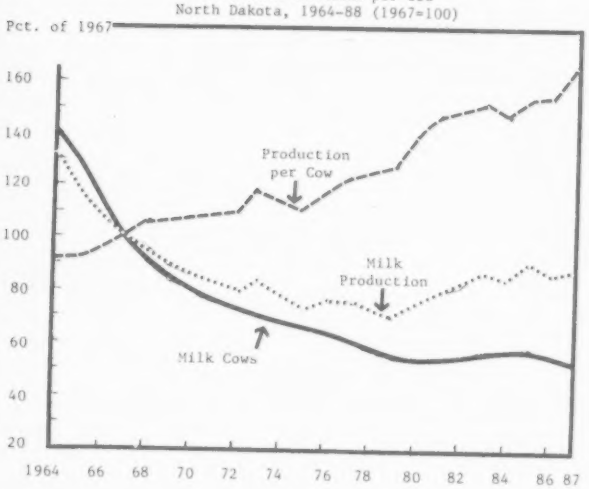
DAIRY

MILK: Production, Disposition & Income, North Dakota, 1986-87

Item	Unit	1986	1987
Average Number of Milk Cows on Farms	000 Head	97	93
Production of Milk and Milkfat			
a) Per Cow, Milk	Pounds	11,072	11,860
b) Per Cow, Milkfat	Pounds	402	423
c) Percent of fat in Milk	Percent	3.63	3.57
d) Total:			
Milk	Mil. Lbs.	1,074	1,103
Milkfat	Mil. Lbs.	39.0	39.4
Milk Used on Farms Where Produced			
a) Fed to Calves	Mil. Lbs.	35	31
b) Used for milk cream & butter	Mil. Lbs.	6	5
c) Total	Mil. Lbs.	41	36
Milk Marketed by Farmers			
Sold to plants & dealers as whole milk 1/	Mil. Lbs.	1,033	1,067
Percent fluid grade	Percent	50	49
Combined Marketing of Milk and Cream			
a) Milk utilized	Mil. Lbs.	1,033	1,067
b) Average returns			
1. Per 100 lbs. of milk	Dollars	11.30	11.10
2. Per lb. of milkfat	Dollars	3.11	3.11
c) Cash Receipts from marketing	000 Dols.	116,729	118,437
Used for Milk, Cream and Butter on Farms Where Produced			
a) Milk utilized	Mil. Lbs.	6	5
b) Value	000 Dols.	678	555
Gross Producer Income 2/	000 Dols.	117,407	118,992
Farm Value of Milk Produced	000 Dols.	121,362	122,433

1/ Includes small amount of farm skimmed cream and milk and cream retailed directly to consumer by producers.
2/ Cash receipts plus value of milk used for home consumption.

Index of Milk Production, Number of Milk Cows and Milk per Cow North Dakota, 1964-88 (1967=100)



MILK PRODUCTION
North Dakota, 1986 and 1987

Month	No. of Milk Cows		Production per Cow		Total Milk Produced	
	1986	1987	1986	1987	1986	1987
	(000 Hd.)		(Lbs.)		(Mil. Lbs.)	
Jan-Mar	102	92	2,720	2,850	277	262
Apr-June	99	93	3,070	3,310	304	308
July-Sept	94	92	2,760	3,020	259	278
Oct-Dec	92	95	2,540	2,680	234	255
ANNUAL 1/	97	93	11,072	11,860	1,074	1,103

1/ Average number on farms during year.

MONTHLY AMERICAN CHEESE & BUTTER PRODUCTION
North Dakota, 1986-87

Month	American Cheese		Butter	
	1986	1987	1986	1987
	- - Thousand Pounds - -			
Jan.	4,002	3,449	507	477
Feb.	3,697	3,172	731	411
Mar.	4,374	3,905	833	479
Apr.	4,592	3,894	829	428
May	5,429	4,553	699	457
June	5,662	4,451	535	428
July	3,906	4,207	282	344
Aug.	3,945	3,776	247	264
Sept.	3,272	3,352	339	401
Oct.	3,159	3,309	411	491
Nov.	3,081	3,276	300	456
Dec.	3,374	3,604	373	564
Total	48,493	44,948	6,086	5,200

Source: See table below.

MANUFACTURED DAIRY PRODUCTS PRODUCTION
North Dakota, 1986-87

Item	1986	1987
	- 000 Lbs. -	
Butter	6,086	5,200
American Cheese	48,493	44,948
Cottage Cheese Creamed	2,140	2,011
Lowfat Cottage Cheese	3,664	3,716
Non-Fat Dry Milk: Human Food	7,736	3,958
Dry Buttermilk	343	173
	- 000 Gals. -	
Ice Cream	2,074	2,048
Ice Milk	918	995
Milk Sherbet	196	194
Ice Cream Mix	875	894
Ice Milk Mix	602	621
Milk Sherbet Mix	133	125

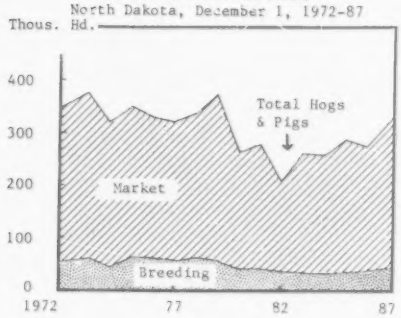
Source: N.D. State Dairy Commissioner and N.D. Agricultural Statistics Service cooperating.

HOGS & PIGS

INVENTORY NUMBERS
North Dakota, December 1, 1983-87

Class	1983		1984		1985		1986		1987	
	- - - - - - - - Thousand Head - - - - - - - -									
ALL HOGS & PIGS	260		255		285		275		320	
Kept for Breeding	33		31		35		37		44	
Market	227		224		250		238		276	
Market Hogs & Pigs										
Under 60 Lbs.	75		85		86		86		106	
60-119 Lbs.	63		68		71		63		66	
120-179 Lbs.	51		40		53		47		56	
180 Lbs. & Over	38		31		40		42		48	
	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
PIG CROP										
Sows Farrowed	30	28	27	26	30	29	33	30	35	35
Pigs per Litter	7.7	7.3	8.0	7.6	7.8	7.7	7.9	7.7	7.9	8.0
Pig Crop	231	204	216	198	234	223	261	231	277	280

HOGS AND PIGS ON FARMS
North Dakota, December 1, 1972-87



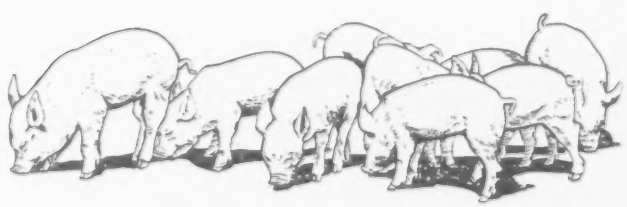
PRODUCTION, DISPOSITION & INCOME
North Dakota, 1984-87

Item	Unit	1984	1985	1986	1987
Number on Hand Beginning of Yr. 1/	000 Head	260	255	285	275
Pig Crop	000 Head	414	457	492	557
Inshipments	000 Head	15	19	15	26
Marketings	000 Head	402	421	494	513
Farm Slaughter	000 Head	7	5	4	4
Deaths	000 Head	25	20	19	21
Number on Hand End of Yr.	000 Head	255	285	275	320
Production	000 Lbs.	76,925	87,015	98,372	108,982
Marketings	000 Lbs.	77,645	80,790	98,007	103,280
Price/100 Lbs.	Dollars	44.00	41.70	47.60	47.90
Cash Receipts	000 Dols.	34,887	34,475	47,604	50,753
Value of Home Consumption	000 Dols.	1,417	897	830	939
Gross Income	000 Dols.	36,304	35,372	48,434	51,692

1/ December 1 preceding year.

HISTORIC INVENTORY
North Dakota, December 1, 1978-87

Year	Breeding	Market	Total
	- - - Thousand Head - - -		
1978	61	274	335
1979	56	314	370
1980	40	225	265
1981	40	240	280
1982	34	176	210
1983	33	227	260
1984	31	224	255
1985	35	250	285
1986	37	238	275
1987	44	276	320

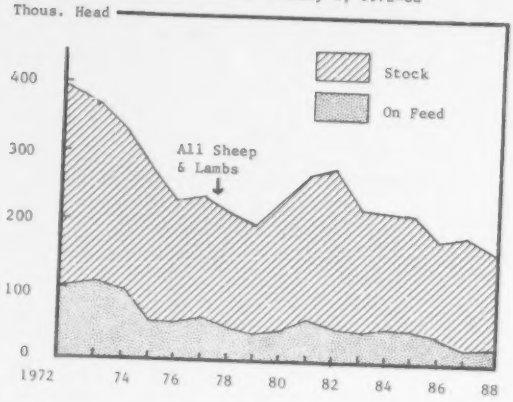


SHEEP

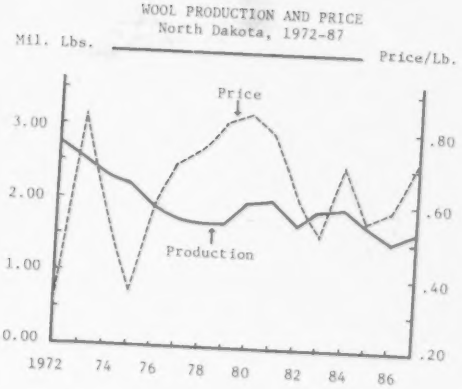
INVENTORY NUMBERS
North Dakota, January 1, 1984-88

Class	1984	1985	1986	1987	1988
	- - Thousand Head - -				
All Sheep & Lambs	219	215	180	185	169
Number on Feed	54	50	40	25	27
Total Stock Sheep	165	165	140	160	142
Ewes 1 year plus	134	140	120	120	114
Ewe Lambs	21	15	13	29	20
Wether & Ram Lambs	5	5	3	7	3
Rams & Wether 1 year plus	5	5	4	4	5

SHEEP AND LAMBS ON FARMS
North Dakota, January 1, 1972-88



WOOL PRODUCTION AND PRICE
North Dakota, 1972-87



HISTORIC INVENTORY
North Dakota, January 1, 1979-88

Year	On Feed	Stock Sheep	Total
	--- 000 Head ---		
1979	38	160	198
1980	46	190	236
1981	62	210	272
1982	50	230	280
1983	47	175	222
1984	54	165	219
1985	50	165	215
1986	40	140	180
1987	25	160	185
1988	27	142	169

PRODUCTION, DISPOSITION & INCOME
North Dakota, 1984-87

Item	Unit	1984	1985	1986	1987
		SHEEP & LAMBS			
Number on Hand Beginning of Yr.	000 Head	219	215	180	185
Lambs Saved	000 Head	180	160	165	150
Inshipments	000 Head	17	18	19	22
Marketings:					
Sheep	000 Head	10	38	18	37
Lambs	000 Head	151	146	135	125
Total	000 Head	161	184	153	162
Farm Slaughter	000 Head	1	1	1	1
Deaths:					
Sheep	000 Head	17	10	7	10
Lambs	000 Head	22	18	18	15
Total	000 Head	39	28	25	25
Number on Hand End of Year	000 Head	215	180	185	169
Production	000 Lbs.	14,281	14,284	15,660	13,746
Marketings	000 Lbs.	15,438	19,975	16,320	16,960
Price/100 Lbs.:					
Sheep	Dollars	12.60	18.80	21.80	24.80
Lambs	Dollars	57.80	65.30	67.80	78.20
All Classes	Dollars	54.32	54.24	60.89	61.89
Cash Receipts	000 Dols.	8,386	10,835	10,030	10,497
Value of Home Consumption	000 Dols.	121	144	149	172
Gross Income	000 Dols.	8,507	10,979	10,179	10,669
		WOOL			
Sheep Shorn	000 Head	200	185	157	169
Production	000 Lbs.	1,919	1,704	1,509	1,605
Fleece Weight	Pounds	9.6	9.2	9.6	9.5
Price/Lb.	Dollars	70	55	58	72
Value of Production	000 Dols.	1,343	937	875	1,156

POULTRY & HONEY

CHICKEN INVENTORY
North Dakota, December 1, 1983-87

Class	1983	1984	1985	1986	1987
	- - Thousand Head - -				
ALL CHICKENS	625	635	540	290	315
Laying Age	583	500	440	230	235
Hens	125	215	275	128	95
Pullets	458	285	165	102	140
Other	42	135	100	60	80

EGG PRODUCTION
North Dakota, 1983-87

Quarter	Average Number of Layers				
	1983	1984	1985	1986	1987
	(000 Layers)				
Dec.*-Feb.	400	537	500	325	235
Mar.-May	457	487	495	228	245
June-Aug.	520	492	473	240	255
Sept.-Nov.	553	500	448	233	248
Annual	483	504	479	256	246
	Eggs Produced (Mil. Eggs)				
Dec.*-Feb.	24	32	31	19	14
Mar.-May	30	29	31	14	14
June-Aug.	32	29	29	14	15
Sept.-Nov.	33	30	27	14	15
Annual	119	120	118	61	58

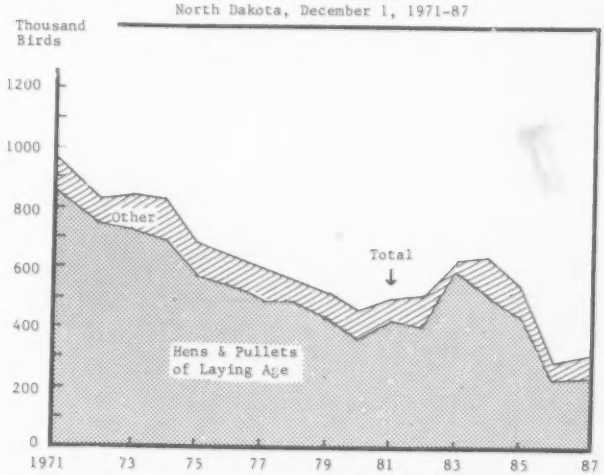
*December preceding year.

POULTRY: Production, Disposition & Income
North Dakota, 1984-87

Item	Unit	1984	1985	1986	1987
CHICKENS					
Lost	000 Birds	170	150	80	120
Sold, Birds	000 Birds	440	400	400	250
Pounds	000 Lbs.	1,848	1,600	1,600	1,000
Price/Lb.	Cents	8.0	10.0	9.0	6.0
Gross Income	000 Dols.	178	160	144	60
EGGS					
Number of Layers During Year	000 Birds	504	479	256	246
Eggs per Layer	Number	238	246	238	236
Eggs Produced	Mil. Eggs	120	118	61	58
Price/Dozen	Cents	66.0	42.0	46.0	40.0
Value of Production	000 Dols.	6,600	4,130	2,338	1,933
TURKEYS					
Number Raised 1/	000 Head	870	900	1,000	1,200
Production	000 Lbs.	17,052	19,260	19,900	23,400
Price/Lb.	Cents	44.0	47.0	48.0	30.0
Value of Production	000 Dols.	7,503	9,052	9,552	7,020

1/ Based on turkeys hatched September 1 to August 31. Excludes young turkeys lost.

CHICKEN INVENTORY
North Dakota, December 1, 1971-87



HONEY
North Dakota, 1978-87*

Year	Honey						Beeswax		
	Colonies	Yield Per Colony	Production	Price Per Pound	Total Value	Stocks Dec. 15	Production	Price Per Pound	Total Value
	(000)	(Lbs.)	(000 Lbs.)	(Dols.)	(000 $)	(000 Lbs.)	(000 Lbs.)	(Dols.)	(000 $)
1978	160	128	20,480	.471	9,646	2,600	348	1.81	630
1979	190	120	22,800	.519	11,833	3,648	365	1.83	668
1980	220	65	14,300	.528	7,550	2,145	257	1.95	501
1981	265	87	23,055	.550	12,680	5,994	369	1.99	734
1986	290	107	31,030	.450	13,964	1,862	NA	NA	NA
1987	280	110	30,800	.440	13,552	3,388	NA	NA	NA

*1982-85 Survey not conducted. NA - Not Available.

HISTORIC LIVESTOCK ESTIMATES

MEAT ANIMALS (Cattle, Sheep & Hogs): Production & Income
North Dakota, 1968-87

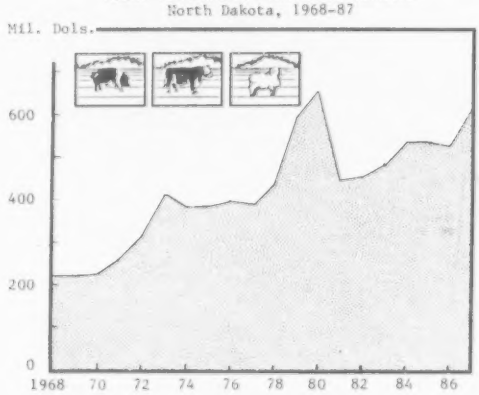
Year	Production	Marketings	Avg. Price per 100 Lbs.	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	- - - 000 Lbs. - - -		(Dols.)	- - - - - - - - - - 000 Dollars - - - - - - - - - -			
1968	880,648	939,228	22.70	199,070	213,198	8,287	221,485
1969	852,366	828,853	25.83	220,779	214,056	8,151	222,207
1970	894,029	818,837	26.78	241,618	219,307	9,317	228,624
1971	996,562	932,374	27.17	273,767	253,347	9,782	263,129
1972	1,003,695	922,526	33.55	339,535	309,501	10,345	319,846
1973	1,046,453	896,622	44.57	467,914	399,655	14,335	413,990
1974	1,117,314	1,082,104	34.01	379,795	368,009	14,828	382,837
1975	1,018,448	1,203,866	31.15	321,860	375,020	9,902	384,922
1976	977,472	1,112,526	34.62	340,174	385,138	10,430	395,568
1977	870,004	1,060,853	35.59	312,232	377,556	10,001	387,557
1978	782,806	833,097	50.46	392,701	420,395	16,764	437,159
1979	863,865	843,432	67.73	582,259	571,269	16,589	587,858
1980	934,292	1,045,550	60.87	563,886	636,380	15,743	652,123
1981	905,927	799,762	54.70	496,159	437,431	10,475	447,906
1982	849,964	848,756	52.62	449,466	446,633	8,216	454,849
1983	914,974	894,935	53.15	485,509	475,641	8,778	484,419
1984	927,466	984,213	53.22	491,691	523,793	8,694	532,487
1985	934,119	973,795	53.87	500,302	524,548	8,915	533,463
1986	866,482	980,807	52.71	457,741	517,023	7,692	524,715
1987	871,518	934,590	64.95	558,251	606,979	8,886	615,865

CATTLE & HOG INVENTORY AND
NUMBER OF FARMS
North Dakota, 1964-88

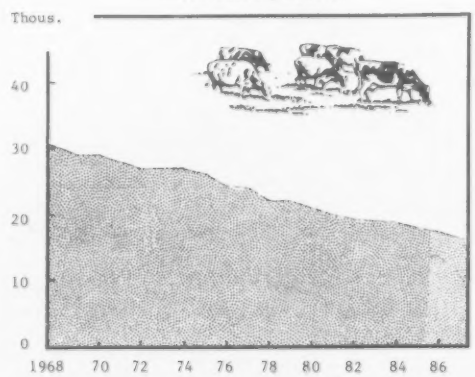
Year	Cattle		Hogs	
	Jan. 1 Inventory	No. of Farms	Dec. 1 1/ Inventory	No. of Farms
	(000 Hd.)	(000)	(000 Hd.)	(000)
1964	2,318	37.0	371	13.5
1965	2,411	35.0	341	11.0
1966	2,315	34.0	290	11.5
1967	2,292	32.0	331	10.5
1968	2,154	30.0	328	9.5
1969	2,068	29.0	321	8.0
1970	2,110	29.0	302	8.5
1971	2,230	28.0	408	9.0
1972	2,319	27.0	379	7.7
1973	2,435	27.0	356	7.4
1974	2,635	27.0	374	6.4
1975	2,635	26.0	322	5.0
1976	2,380	24.5	350	5.1
1977	2,235	24.0	330	5.0
1978	2,050	22.0	320	4.8
1979	1,967	22.0	335	4.5
1980	2,000	21.0	370	4.0
1981	1,850	20.0	265	3.6
1982	2,000	19.2	280	2.8
1983	2,050	19.0	210	2.8
1984	2,100	18.5	260	3.0
1985	2,050	17.8	255	3.0
1986	2,000	17.2	285	3.0
1987	1,900	16.0	275	2.6
1988	1,800	NA	320	NA

1/ December 1 previous year. NA - Not available.

GROSS FARM INCOME FROM MEAT ANIMALS
North Dakota, 1968-87



NUMBER OF CATTLE OPERATIONS
North Dakota, 1968-87



PRICES

NORTH DAKOTA PRICES

Prices for all farm commodities, as a group, averaged 6 percent higher during 1987 than for 1986. This is based on the Index of Prices Received for All Farm Products, which averaged 121 percent of it's 1977 base compared to 114 for the previous year. The Index reached a record high of 160 in 1980 with other highs of 157 in 1974 and 154 in 1981.

The All Crops Index for 1987, at 105, was 1 percent above the average for 1986. The All Livestock and Products Index, at 169, was 17 percent greater than 1986.

Prices received by farmers for the 1987 crop marketing season averaged lower than a year earlier for flaxseed, all hay, potatoes, non-oil sunflower and dry edible beans. Prices were higher for durum, spring wheat, oats, all barley, corn, soybeans and oil sunflower while winter wheat and rye remained virtually unchanged. The marketing year average price for spring wheat rose 3 percent while durum and barley prices advanced 15 and 9 percent.

Average prices for livestock and livestock products during 1987 ranged from a 37 percent decrease for turkeys to a 29 percent increase for calves. Steers and heifers, cows, calves, milk cows, hogs, sheep, lambs and wool prices were higher, while milk, chickens, turkeys and egg prices were lower.

INDEXES OF PRICES RECEIVED BY FARMERS, BY MONTH AND CALENDAR YEAR AVERAGE
North Dakota, 1986-87

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg.
						(1977 = 100) 1/							
1986													
All Farm Products	127	126	126	124	123	113	101	100	103	106	111	110	114
All Crops	122	119	120	120	118	106	89	85	87	91	98	98	104
Food Grains	139	137	140	144	144	122	96	93	96	95	106	108	118
Feed Grains & Hay	111	111	109	106	97	90	80	69	68	78	85	85	91
Oil Bearing Crops	83	77	77	71	70	70	63	61	60	69	64	63	69
Other Crops 2/	130	129	126	120	117	118	119	118	129	144	152	148	129
All Livestock Products	143	146	143	137	140	137	139	148	153	149	150	145	144
Meat Animals	146	150	148	140	144	140	143	153	157	152	152	146	148
Dairy Products	130	129	128	127	126	124	126	129	137	141	143	142	132
Poultry, Eggs & Wool	132	132	132	132	132	132	132	132	132	132	132	94	129
1987													
All Farm Products	117	120	120	122	123	119	117	119	121	123	125	124	121
All Crops	101	103	104	106	109	108	104	101	101	104	107	106	105
Food Grains	114	115	117	118	120	112	108	107	118	121	125	121	116
Feed Grains & Hay	85	90	90	90	96	98	93	80	82	88	95	94	90
Oil Bearing Crops	66	67	66	71	73	75	74	69	67	67	69	71	70
Other Crops 2/	144	140	145	152	154	175	175	176	125	124	123	126	147
All Livestock Products	164	169	167	169	163	153	156	174	181	180	179	178	169
Meat Animals	172	179	177	181	174	162	165	188	195	194	192	191	181
Dairy Products	138	135	133	128	126	122	124	127	131	134	133	130	130
Poultry, Eggs & Wool	94	94	94	94	94	94	94	94	94	94	94	94	94

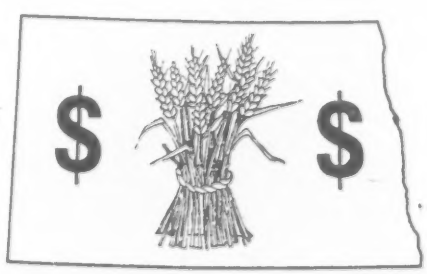
1/ Base price is 1977 average. Quantity weights based on moving three-year average sales. 2/ Potatoes, dry edible beans and sugarbeets.

INDEXES OF PRICES RECEIVED BY FARMERS
Annual Average, North Dakota, 1978-87

Year	All Commodities	All Crops	All Livestock	Year	All Commodities	All Crops	All Livestock
	(1977=100)				(1910-1914=100)		
1978	117	110	139	1978	407	332	673
1979	145	131	182	1979	504	395	881
1980	160	158	167	1980	556	476	809
1981	154	155	152	1981	535	467	736
1982	134	129	149	1982	466	389	721
1983	139	136	148	1983	483	410	717
1984	145	144	148	1984	504	434	717
1985	133	129	146	1985	462	389	707
1986	114	104	144	1986	396	314	697
1987	121	105	169	1987	421	317	818

AVERAGE PRICE RECEIVED BY FARMERS FOR POULTRY, POULTRY PRODUCTS & WOOL, North Dakota, 1983-87

Year	Chickens	Turkeys	Eggs	Wool
	(c/lb. live weight)		(c/doz.)	(c/lb.)
1983	7.0	32.0	53.0	51.0
1984	8.0	44.0	66.0	70.0
1985	10.0	47.0	42.0	55.0
1986	9.0	48.0	46.0	58.0
1987	6.0	30.0	40.0	72.0



NORTH DAKOTA PRICES CONT.

PRICES RECEIVED BY PRODUCERS
For Selected Crops, North Dakota, 1983-87 1/

Commodity	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mktg. Year Avg.
		- - - - - Dollars - - - - -												
All Wheat (per bu)	1983	3.30	3.27	3.49	3.78	3.85	3.85	3.82	3.88	3.85	3.78	3.78	3.60	3.78
	1984	3.64	3.57	3.68	3.81	3.84	3.83	3.69	3.63	3.60	3.55	3.59	3.51	3.57
	1985	3.50	3.52	3.51	3.58	3.54	3.50	3.31	3.10	3.12	3.20	3.38	3.41	3.26
	1986	3.33	3.27	3.34	3.45	3.43	2.92	2.30	2.23	2.30	2.28	2.53	2.58	2.54
	1987	2.73	2.76	2.80	2.83	2.86	2.69	2.58	2.56	2.83	2.89	2.98	2.89	2.71
Other Spring Wheat (per bu)	1983	3.34	3.30	3.52	3.76	3.77	3.77	3.74	3.74	3.65	3.64	3.61	3.44	3.70
	1984	3.54	3.54	3.63	3.76	3.85	3.83	3.68	3.50	3.51	3.47	3.48	3.42	3.51
	1985	3.49	3.49	3.49	3.57	3.56	3.53	3.34	3.09	3.16	3.34	3.49	3.56	3.34
	1986	3.54	3.43	3.49	3.59	3.49	2.72	2.33	2.32	2.31	2.22	2.53	2.51	2.52
	1987	2.68	2.68	2.64	2.62	2.79	2.54	2.43	2.44	2.57	2.64	2.67	2.73	2.60
Durum Wheat (per bu)	1983	3.19	3.18	3.45	3.83	3.93	4.00	3.95	4.11	4.08	4.01	3.97	3.81	3.97
	1984	3.80	3.62	3.85	3.90	3.82	3.84	3.72	3.86	3.79	3.73	3.75	3.68	3.70
	1985	3.55	3.60	3.55	3.60	3.53	3.46	3.26	3.15	3.07	3.01	3.07	3.16	3.16
	1986	3.16	3.16	3.20	3.29	3.37	3.18	2.28	2.11	2.29	2.35	2.54	2.64	2.66
	1987	2.82	2.92	3.03	3.12	3.12	3.15	3.00	2.88	3.18	3.26	3.31	3.18	3.05
Oats (per bu)	1983	1.18	1.19	1.20	1.29	1.31	1.22	1.23	1.26	1.30	1.32	1.36	1.38	1.37
	1984	1.48	1.42	1.41	1.49	1.60	1.58	1.50	1.35	1.35	1.43	1.45	1.50	1.42
	1985	1.44	1.44	1.50	1.50	1.47	1.37	1.18	.97	.98	.95	1.03	1.10	1.05
	1986	1.13	1.04	1.04	1.16	1.04	.99	.84	.85	.85	1.00	1.30	1.34	1.20
	1987	1.29	1.28	1.29	1.31	1.43	1.33	1.25	1.31	1.38	1.51	1.60	1.67	1.55
All Barley (per bu)	1983	1.62	1.70	1.71	1.96	2.02	1.95	1.92	1.99	2.17	2.24	2.30	2.27	2.20
	1984	2.27	2.23	2.31	2.38	2.41	2.42	2.18	1.88	1.89	1.90	1.91	1.90	1.94
	1985	1.89	1.97	1.99	1.98	1.94	1.93	1.73	1.51	1.46	1.60	1.65	1.73	1.60
	1986	1.82	1.82	1.78	1.70	1.51	1.35	1.20	1.06	1.14	1.31	1.43	1.42	1.37
	1987	1.42	1.53	1.54	1.53	1.65	1.65	1.58	1.29	1.32	1.44	1.52	1.54	1.50
Barley, Feed (per bu)	1983	1.44	1.48	1.57	1.78	1.78	1.69	1.82	1.94	2.11	2.15	2.18	2.18	2.12
	1984	2.20	2.19	2.16	2.23	2.31	2.31	2.11	1.81	1.82	1.83	1.83	1.84	1.83
	1985	1.78	1.82	1.85	1.85	1.76	1.71	1.52	1.47	1.36	1.44	1.55	1.66	1.45
	1986	1.74	1.63	1.57	1.[illegible]	1.39	1.25	1.13	1.03	1.10	1.24	1.30	1.31	NA
	1987	1.40	1.48	1.47	1.[illegible]	1.54	1.56	1.47	1.20	1.26	1.30	1.43	1.42	NA
Barley, Malting (per bu)	1983	1.65	1.73	1.74	1.99	2.07	1.96	1.94	2.03	2.26	2.33	2.39	2.39	2.27
	1984	2.34	2.29	2.37	2.45	2.46	2.49	2.19	1.96	1.97	1.96	1.96	1.94	2.01
	1985	1.96	2.03	2.04	2.03	2.03	1.97	1.82	1.65	1.65	1.75	1.76	1.81	1.72
	1986	1.87	1.88	1.88	1.78	1.59	1.50	1.30	1.16	1.29	1.41	1.47	1.44	NA
	1987	1.44	1.60	1.60	1.63	1.70	1.68	1.65	1.44	1.56	1.52	1.56	1.62	NA
Rye (per bu)	1983	1.82	1.80	1.62	1.82	1.54	1.72	1.69	1.69	1.89	1.82	1.73	1.73	1.79
	1984	2.03	1.81	1.89	1.82	1.81	1.98	1.74	1.51	1.53	1.65	1.72	1.78	1.76
	1985	2.08	1.97	1.95	2.44	1.62	1.76	1.70	1.56	1.95	1.83	2.00	1.96	1.82
	1986	1.96	1.65	1.88	1.69	1.77	1.58	1.02	1.00	1.00	.87	.99	1.45	1.16
	1987	1.19	1.24	1.44	1.24	1.27	1.16	1.14	.93	1.08	1.40	1.33	1.19	1.15
Flaxseed (per bu)	1983	4.79	4.70	4.58	4.52	4.67	4.92	4.96	5.96	7.14	6.98	6.97	6.65	6.83
	1984	6.86	7.05	7.07	7.13	7.24	6.74	6.10	6.03	5.69	5.65	5.85	6.05	6.07
	1985	6.61	6.65	6.10	6.66	6.94	6.55	6.20	5.86	5.46	5.01	4.79	4.78	5.00
	1986	4.78	4.96	4.95	4.88	4.89	4.95	4.41	3.74	3.67	3.46	3.39	3.41	3.45
	1987	3.18	3.13	3.07	3.16	3.34	3.45	3.49	3.35	3.14	3.07	3.02	3.19	3.30
Corn (per bu)	1983	1.91	2.37	2.49	2.81	2.43	2.85	2.88	3.09	3.16	2.92	3.02	2.95	3.03
	1984	2.99	2.95	3.04	3.21	3.24	3.22	3.15	3.05	2.85	2.60	2.57	2.52	2.57
	1985	2.55	2.53	2.56	2.61	2.60	2.61	2.57	2.54	2.52	2.17	2.19	2.26	2.17
	1986	2.21	2.20	2.23	2.15	2.17	2.17	1.96	1.47	1.07	1.31	1.31	1.30	1.42
	1987	1.34	1.37	1.35	1.42	1.44	1.60	1.50	1.36	1.46	1.50	1.78	1.61	1.70
Soybeans (per bu)	1983	5.12	5.37	5.74	5.90	5.88	5.77	5.97	7.17	7.69	7.23	7.29	7.19	7.37
	1984	7.25	6.94	7.30	7.74	8.11	7.69	7.13	6.17	5.84	5.81	5.87	5.60	5.59
	1985	5.34	5.55	5.56	5.70	5.46	5.47	5.21	4.96	4.79	4.44	4.76	4.94	4.79
	1986	5.08	4.96	4.98	5.00	4.52	5.00	4.66	4.74	4.27	4.37	4.49	4.53	4.63
	1987	4.39	4.53	4.55	4.66	4.90	5.12	5.13	4.88	4.85	4.92	5.07	5.31	5.35
Sunflower, All (per cwt)	1983	8.30	8.20	8.30	8.90	9.50	9.80	9.80	11.00	12.20	12.00	12.90	13.00	13.00
	1984	13.70	13.10	14.10	15.30	16.30	16.60	16.30	-	-	11.60	11.00	11.20	11.30
	1985	11.10	11.40	11.20	12.00	12.10	11.50	10.70	9.65	-	11.30	9.08	8.53	8.01
	1986	8.82	7.98	7.95	7.10	7.23	7.05	6.28	6.04	6.07	7.33	6.60	6.51	7.10
	1987	6.91	7.07	6.87	7.57	7.67	7.80	7.61	7.12	6.85	6.90	7.00	7.20	7.52
Sunflower, Oil (per cwt)	1983	7.80	8.00	8.10	8.70	8.80	9.10	9.50	10.90	12.60	12.00	12.90	13.00	13.00
	1984	13.70	13.20	14.20	15.40	16.50	17.20	16.80	-	11.00	11.20	10.80	10.80	11.00
	1985	10.50	10.90	11.10	12.00	12.00	11.50	10.60	9.65	-	8.06	7.68	7.55	7.32
	1986	8.14	7.22	7.30	6.89	7.06	6.89	6.13	5.88	5.82	6.27	6.26	6.08	6.66
	1987	6.13	6.11	6.40	7.21	7.52	7.62	7.40	6.87	6.72	6.48	6.49	6.90	7.25
Sunflower, Non-Oil (per cwt)	1983	12.20	11.60	12.80	11.20	12.40	12.30	13.00	11.30	11.40	12.20	13.80	14.00	12.80
	1984	14.20	18.60	13.00	12.30	13.30	12.50	13.90	-	13.90	14.20	15.00	17.30	14.90
	1985	15.60	14.40	14.80	14.10	14.80	14.80	14.50	-	-	13.40	13.50	13.40	13.30
	1986	13.20	13.50	12.50	11.30	12.80	12.80	10.30	11.00	8.80	9.62	9.53	9.93	9.55
	1987	9.60	9.20	9.51	9.32	9.38	10.00	9.64	8.90	8.92	8.58	9.23	9.37	9.25
Dry Beans (per cwt)	1983	8.60	8.10	8.20	8.70	11.20	12.40	12.50	15.30	22.80	21.00	20.20	18.30	18.70
	1984	17.50	17.80	17.30	16.20	17.00	15.60	14.60	17.00	17.00	15.90	14.50	15.00	16.10
	1985	15.50	14.60	15.50	16.40	16.70	17.00	18.00	17.30	14.60	15.20	14.70	14.30	14.40
	1986	15.30	14.00	12.80	13.30	13.40	13.60	14.20	13.50	15.40	21.30	20.80	19.30	17.60
	1987	17.20	13.90	13.60	14.20	12.70	13.80	14.10	14.20	13.80	12.60	10.80	10.20	11.90

See footnotes page 76.

NORTH DAKOTA PRICES CONT.

PRICES RECEIVED BY PRODUCERS
For Selected Crops, North Dakota, 1983-87 1/

Commodity	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mktg. Year Avg.
					- - - - - Dollars -			- - - -						
Potatoes (per cwt)	1983	4.25	4.30	4.65	4.75	5.10	5.10	-	4.00	3.50	3.70	4.10	4.30	4.90
	1984	5.00	5.00	5.60	6.10	6.80	-	-	-	3.30	3.75	3.95	4.25	4.65
	1985	4.65	5.25	5.40	5.50	5.00	4.50	-	-	3.10	2.95	3.25	3.25	3.20
	1986	3.50	3.60	3.50	2.85	2.65	2.65	-	-	2.80	3.30	4.00	3.90	4.20
	1987	4.00	4.20	4.65	5.15	5.60	7.25	-	-	2.85	2.95	3.20	3.55	3.60
Sugarbeets (per ton)	1983													35.40
	1984													37.00
	1985				Y e a r l y			O n l y						35.50
	1986													39.30
	1987													
All Hay, Baled (per ton)	1983	39.00	38.00	37.00	38.00	38.00	35.00	38.00	35.00	36.00	37.00	40.00	41.00	39.00
	1984	40.00	39.00	40.00	40.00	41.00	41.00	42.00	41.00	42.00	43.00	43.00	42.00	43.00
	1985	42.00	43.00	44.00	44.00	44.00	42.00	45.00	51.00	53.00	52.00	50.00	53.00	51.50
	1986	54.00	55.00	55.00	55.00	50.00	50.00	43.00	37.00	36.00	34.00	36.00	37.00	37.00
	1987	34.00	34.00	34.00	32.00	35.00	41.00	36.00	37.00	37.00	36.00	36.00	34.00	36.50
Alfalfa Hay, Baled (per ton)	1983	43.00	42.00	42.00	44.00	44.00	41.00	44.00	41.00	42.00	43.00	45.00	47.00	NA
	1984	46.00	45.00	46.00	45.00	48.00	49.00	47.00	47.00	47.00	49.00	49.00	48.00	NA
	1985	48.00	50.00	50.00	51.00	51.00	48.00	52.00	58.00	61.00	60.00	58.00	62.00	NA
	1986	63.00	64.00	63.00	63.00	57.00	57.00	48.00	41.00	41.00	40.00	41.00	42.00	NA
	1987	39.00	39.00	38.00	37.00	39.00	46.00	42.00	44.00	41.00	41.00	40.00	39.00	NA
Other Hay, Baled (per ton)	1983	35.00	34.00	32.00	31.00	31.00	28.00	31.00	28.00	29.00	30.00	33.00	32.00	NA
	1984	31.00	31.00	32.00	31.00	33.00	32.00	35.00	32.00	34.00	34.00	33.00	33.00	NA
	1985	32.00	33.00	34.00	34.00	33.00	32.00	34.00	41.00	40.00	40.00	40.00	43.00	NA
	1986	43.00	43.00	44.00	44.00	41.00	41.00	37.00	29.00	26.00	24.00	28.00	29.00	NA
	1987	26.00	27.00	27.00	25.00	29.00	33.00	27.00	29.00	30.00	28.00	29.00	28.00	NA
Beef Cattle (per 100 lbs)	1983	53.10	58.50	60.40	60.10	56.80	52.90	50.90	50.80	48.50	45.80	46.50	49.40	52.90
	1984	54.30	57.40	58.30	56.80	53.80	50.20	52.70	52.70	52.40	47.20	48.50	47.90	52.70
	1985	56.50	58.90	58.10	56.40	54.80	49.70	45.60	49.50	49.90	51.50	52.10	48.80	53.30
	1986	51.10	53.40	52.40	49.30	49.70	47.90	48.30	52.10	54.40	52.00	52.40	49.60	51.30
	1987	60.80	63.40	63.00	63.70	60.60	54.60	55.30	64.70	68.00	68.30	68.40	67.90	64.10
Steers & Heifers (per 100 lbs)	1983	61.70	64.00	64.20	63.60	61.80	59.20	56.90	55.60	52.80	53.40	56.30	59.80	59.80
	1984	62.00	62.00	62.10	60.20	58.50	56.90	59.30	57.00	59.10	56.90	59.40	60.40	59.80
	1985	64.00	63.90	62.60	60.90	60.00	57.00	51.80	53.50	54.00	56.70	58.30	56.30	58.90
	1986	57.80	57.40	56.00	52.60	52.90	53.10	55.10	58.70	59.50	57.70	60.20	60.90	57.00
	1987	65.10	66.80	65.80	68.20	66.40	65.30	65.20	71.80	74.10	75.40	77.60	75.60	70.00
Cows (per 100 lbs)	1983	35.60	41.70	42.10	42.30	42.80	41.90	41.30	38.00	36.50	33.90	32.10	31.60	36.80
	1984	33.60	39.00	41.30	41.50	40.70	40.10	39.00	36.50	34.70	34.50	32.10	33.00	36.20
	1985	36.00	39.70	40.00	39.30	38.80	37.40	34.70	35.10	33.60	33.20	32.30	30.80	35.50
	1986	33.40	36.10	36.50	34.10	36.60	36.60	37.10	36.40	36.30	35.00	33.50	34.00	35.10
	1987	38.80	41.60	43.50	43.50	43.10	44.50	43.90	43.70	46.50	43.80	43.00	46.60	43.60
Calves (per 100 lbs)	1983	64.60	67.60	66.50	67.70	67.80	65.00	58.70	57.50	58.00	58.20	60.50	62.60	62.80
	1984	62.90	63.50	62.90	62.20	61.60	58.10	60.60	61.10	62.40	60.80	62.10	63.20	62.30
	1985	65.70	66.90	67.00	66.00	65.90	61.90	59.00	65.80	63.10	63.80	63.50	59.30	64.10
	1986	61.70	60.30	61.60	58.40	61.10	57.80	59.70	62.50	63.60	65.10	63.80	65.90	63.50
	1987	69.30	73.00	71.90	75.20	73.90	75.20	77.40	85.30	88.10	85.80	86.70	86.40	81.60
Hogs 2/ (per 100 lbs)	1983	53.80	54.90	48.00	45.30	43.40	40.60	38.90	42.40	42.00	37.70	35.20	42.90	43.00
	1984	46.10	42.40	43.80	45.00	44.60	45.40	47.10	46.30	42.70	39.90	43.10	45.30	44.00
	1985	45.20	46.30	41.30	39.00	39.40	42.50	42.60	39.90	36.80	40.60	40.40	42.30	41.70
	1986	41.60	40.40	37.60	38.00	44.60	50.00	56.40	59.60	56.40	51.90	50.60	48.90	47.60
	1987	45.50	46.50	45.80	49.20	51.20	3/							47.90
Sheep (per 100 lbs)	1983	14.80	24.60	18.00	14.50	12.20	10.10	11.50	10.30	11.60	10.80	15.60	10.50	13.80
	1984	12.70	12.90	13.50	12.30	9.42	10.10	12.20	11.40	14.40	11.70	12.80	13.50	12.60
	1985	16.50	17.80	16.80	17.90	16.30	16.00	17.50	20.50	21.50	21.20	24.00	20.90	18.80
	1986	25.70	22.10	19.20	17.70	20.30	18.70	21.10	21.30	21.40	23.50	27.30	24.60	21.80
	1987	24.30	20.40	21.60	20.90	20.30	3/							24.80
Lambs (per 100 lbs)	1983	54.50	57.90	59.20	53.70	49.60	46.10	45.30	43.20	44.50	46.40	50.90	53.20	50.60
	1984	55.30	55.70	53.70	50.60	45.10	48.10	54.10	56.80	60.50	59.60	62.00	56.80	57.80
	1985	61.60	64.90	66.40	60.20	58.10	64.40	68.70	70.20	68.60	64.70	64.50	62.90	65.30
	1986	63.90	67.20	62.80	67.00	72.30	73.30	71.60	68.90	64.60	62.40	67.80	76.40	67.80
	1987	79.90	79.70	80.40	79.30	81.70	3/							78.20
Milk Cows (per head)	1983	960			940			910			800			900
	1984	740	Quarterly		790	Quarterly		800	Quarterly		780	Quarterly		780
	1985	740			770			740			700			740
	1986	630	Only		640	Only		660	Only		700	Only		660
	1987	700			770			800			850			780
Milk, Wholesale (per cwt)	1983	12.80	12.70	12.60	12.50	12.30	12.10	12.10	12.10	12.70	12.90	13.00	12.60	12.50
	1984	12.40	12.10	12.10	12.00	11.90	11.70	11.80	12.00	12.60	12.90	13.00	12.90	12.30
	1985	12.70	12.40	12.10	11.60	11.20	10.90	10.70	10.90	11.10	11.30	11.40	11.40	11.40
	1986	11.20	11.10	11.00	10.90	10.80	10.70	10.80	11.10	11.80	12.10	12.30	12.20	11.30
	1987	11.90	11.60	11.40	11.00	10.80	10.50	10.70	10.90	11.30	11.50	11.40	11.20	11.10

1/ Crops prices are open market prices and do not make an allowance for unredeemed loans. 2/ Marketing year average is based on marketing year of December through November. 3/ Monthly prices discontinued due to lack of funding. NA - Not Available.

MISCELLANEOUS

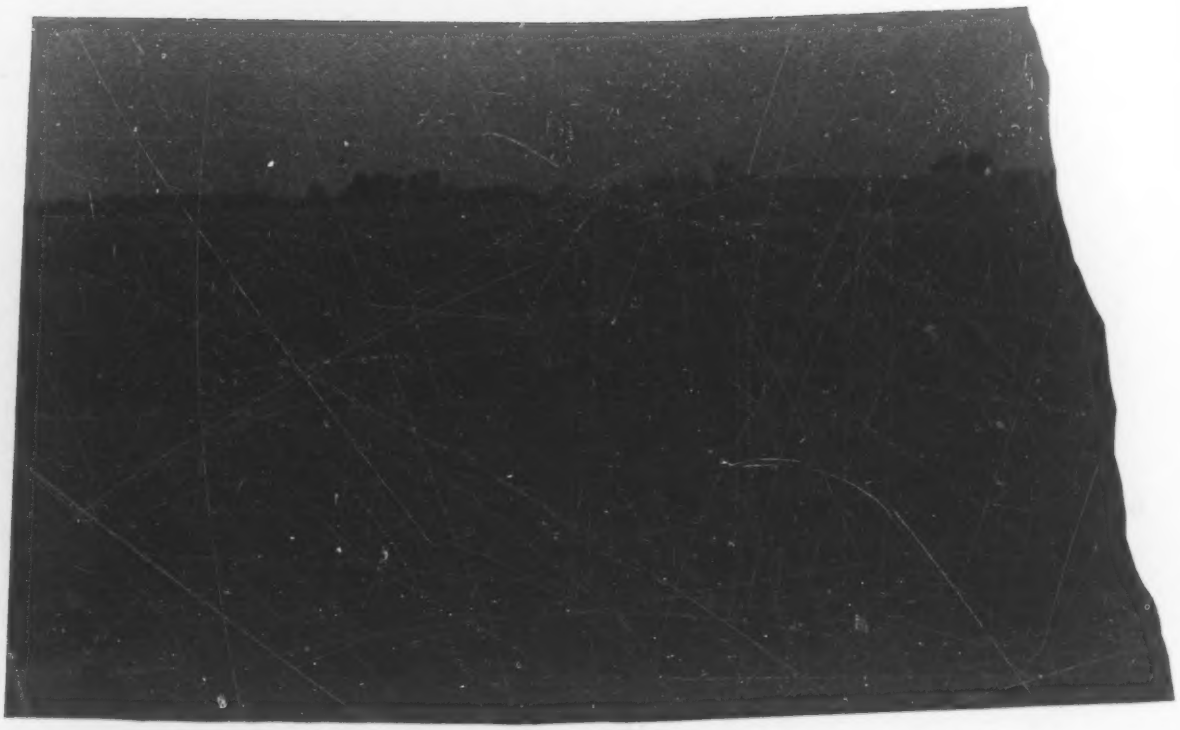
FERTILIZER

PESTICIDES

EXPORTS

GRAIN SHIPMENTS

CUSTOM RATES



FERTILIZER, PESTICIDES & EXPORTS

Consumption of Fertilizer and Plant Nutrients, North Dakota, 1983-87

Year Ended June 30	Gross Tonnages				Nutrient Content			
	Mixed Fertilizer	Primary Nutrient Material	Secondary & Micro-Nutrients	Total	N	Available P_2O_5	K_2O	Total
	- - - - - - - - - - Tons - - - - - - - - - -							
1983	243,771	291,205	648	535,624	208,885	100,524	17,733	327,142
1984	254,123	295,954	1,284	551,361	214,416	108,609	19,000	342,025
1985	298,760	378,253	1,577	678,590	268,598	125,798	24,707	419,103
1986	318,582	440,851	1,841	761,274	311,023	138,995	23,181	473,199
1987	351,417	471,751	1,098	824,266	334,959	147,480	28,537	510,976

Source: Tennessee Valley Authority.

Fertilizer Use on All Wheat Acreage Harvested, North Dakota, 1983-87

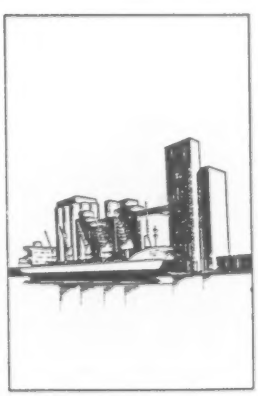
Year	Acres for Harvest	Fields in Survey	Acres Receiving				Rate/Acre Receiving			Acres Fertilized 1/		
			Any Fertilizer	N	P_2O_5	K_2O	N	P_2O_5	K_2O	At or Before Seeding	After Seeding	At or before & After Seeding
	(000)	(No.)	- - - - Percent - - - -				- - Pounds - -			- - - Percent - - -		
1983	7,190	241	71.0	71.0	60.0	11.0	46.0	27.0	10.0	99.0	1.0	0.0
1984	8,660	254	72.0	72.0	63.0	5.0	43.0	25.0	19.0	98.0	2.0	0.0
1985	8,870	234	72.0	72.0	64.0	9.0	38.0	29.0	18.0	99.0	0.0	1.0
1986	9,380	250	81.0	81.0	70.0	7.0	44.0	27.0	14.0	98.0	1.0	1.0
1987	8,950	240	80.0	80.0	70.0	11.0	51.0	28.0	17.0	98.0	0.0	2.0

1/ Percentages apply to acres receiving fertilizer. Source: Inputs Outlook & Situation Report, Jan., 1988

Planted Acreage Treated with Pesticides, North Dakota, 1978 and 1984

Crop	Herbicides		Insecticides		Fungicides		Other Chemicals	
	1978	1984	1978	1984	1978	1984	1978	1984
	- - - - - - - - - - Percent - - - - - - - - - -							
Wheat	88.2	90.9	3.2	2.3	7.9	2.1	0.0	0.0
Barley	86.5	87.5	3.1	2.2	8.4	1.5	0.0	0.0
Oats	38.5	42.8	1.0	1.2	3.3	0.0	0.0	0.0
Flax	48.3	66.3	1.3	2.9	3.8	0.0	0.0	0.0
Corn	52.1	75.8	4.2	17.9	1.3	0.2	0.3	0.0
Sunflower	88.5	88.5	5.6	64.8	2.2	0.0	2.1	0.2
Potatoes	20.5	30.6	90.8	96.9	54.5	67.6	46.5	40.1
Sugarbeets	93.4	96.5	41.1	49.5	7.5	77.6	1.6	0.0
Soybeans	91.9	96.3	6.2	2.1	2.0	0.4	0.0	0.0
Dry Beans	87.0	93.5	0.6	0.4	16.0	19.0	0.0	1.7
Alfalfa Hay	0.2	0.9	0.2	0.9	0.0	0.0	0.0	0.0
Other Hay	1.3	0.7	0.0	0.3	0.0	0.0	0.0	0.0
Pasture & Range	2.0	1.2	0.0	0.3	0.0	0.0	0.0	0.0
Other Crops	16.0	52.9	2.0	8.5	0.1	0.0	0.1	0.0
TOTAL	43.8	51.1	2.2	8.3	3.7	1.5	0.2	0.2
Summer Fallow 1/	--	17.1	--	0.1	--	0.0	--	0.0

1/ Comparable data not available for 1978, total excludes summer fallow.



Value of Export Shares of Agricultural Commodities, North Dakota, 1985-87 1/

Commodity or Group	1985		1986		1987	
	Dollars	% of U.S.	Dollars	% of U.S.	Dollars	% of U.S.
	(Mil.)	(Pct.)	(Mil.)	(Pct.)	(Mil.)	(Pct.)
Wheat & Flour	471.1	10.4	515.0	14.5	541.0	17.3
Feed Grains & Products	90.5	1.2	49.4	1.0	111.7	2.4
Sunflower Seeds & Oil	286.7	73.4	145.3	70.5	109.1	71.1
Soybeans & Products	48.2	.9	33.9	.6	47.8	.8
Vegetables & Preparations	16.5	1.7	18.9	1.9	44.5	3.8
Dairy Products	3.5	.8	3.5	.8	3.7	.8
Animals & Meats excluding Poultry	6.2	.5	6.9	.5	7.2	.4
Hides & Skins	5.8	.4	5.9	.4	5.9	.4
Fats, Oils & Greases	3.0	.5	2.1	.4	1.7	.4
Feeds & Fodder	16.1	3.4	25.6	4.6	36.7	5.5
Seeds	10.6	3.0	11.0	3.0	11.1	3.0
Other	20.9	1.5	22.1	1.5	26.9	1.6
TOTAL	979.0	3.1	839.5	3.2	947.2	3.4

Source: Foreign Agricultural Trade of U.S. - E.R.S. 1/ State export shares are based upon North Dakota's portion of U.S. production or farm sales of individual commodities. No attempt was made to trace actual commodity shipments or to determine whether the State's output is destined primarily for the domestic or export market. NOTE: Series not comparable to previous years.

June 1988

GRAIN SHIPMENTS

HARD RED SPRING WHEAT AND DURUM WHEAT: Shipments from Commercial Storages by County and Mode of Shipment, North Dakota, July 1, 1986 - June 30, 1987 1/

District and County	Hard Red Spring Wheat			Durum Wheat		
	Rail	Truck	Total	Rail	Truck	Total
	----- Bushels -----			----- Bushels -----		
Burke	2,082,719	69,548	2,152,267	2,645,432	63,880	2,709,312
Divide	368,179	93,973	462,152	5,901,066	132,130	6,033,196
Mountrail	519,417	144,447	663,864	7,064,860	986,509	8,051,369
Renville	1,327,016	138,247	1,465,263	1,630,808	38,157	1,668,965
Ward	10,537,841	428,941	10,966,782	13,275,861	1,049,422	14,325,283
Williams	3,858,479	824,492	4,682,971	3,824,526	550,129	4,374,655
Northwest	18,693,651	1,699,648	20,393,299	34,342,553	2,820,227	37,162,780
Benson	690,473	87,572	778,045	3,619,635	629,710	4,249,345
Bottineau	2,665,666	276,535	2,942,201	10,833,675	172,110	11,005,785
McHenry	2,015,492	288,517	2,304,009	26,071	19,691	45,762
Pierce	1,046,520	323,248	1,369,768	1,602,833	153,559	1,756,392
Rolette	342,147	149,123	491,270	3,209,792	197,937	3,407,729
North Central	6,760,298	1,124,995	7,885,293	19,292,006	1,173,007	20,465,013
Cavalier	4,857,711	617,850	5,475,561	5,093,995	972,487	6,066,482
Grand Forks	8,323,648	2,572,827	10,896,475	719,370	49,436	768,806
Nelson	2,824,725	501,771	3,326,496	2,677,187	175,022	2,852,209
Pembina	8,688,371	842,595	9,530,966	144,496	77,172	221,668
Ramsey	3,728,390	337,778	4,066,168	6,801,740	168,990	6,970,730
Towner	246,355	93,720	340,075	4,075,334	625,513	4,700,847
Walsh	10,484,832	834,628	11,319,460	521,893	45,153	567,046
Northeast	39,154,032	5,801,169	44,955,201	20,034,015	2,113,773	22,147,788
Dunn	9,584	166,045	175,629	0	8,088	8,088
McKenzie	0	666,761	666,761	36,570	212,140	248,710
McLean	4,041,677	1,499,516	5,541,193	5,741,359	779,065	6,520,424
Mercer	929,265	823,768	1,753,033	106,255	154,856	261,111
West Central	4,980,526	3,156,090	8,136,616	5,884,184	1,154,149	7,038,333
Eddy	318,081	41,775	359,856	194,836	53,526	248,362
Foster	3,086,030	245,308	3,331,338	1,275,659	30,864	1,306,523
Kidder	592,048	362,149	954,197	189,045	23,992	213,037
Sheridan	665,878	632,217	1,298,095	74,582	19,175	93,757
Stutsman	11,231,065	1,588,613	12,819,678	2,664,593	377,513	3,042,106
Wells	5,161,219	264,192	5,425,411	3,051,153	33,724	3,084,877
Central	21,054,321	3,134,254	24,188,575	7,449,868	538,794	7,988,662
Barnes	9,452,609	1,253,674	10,706,283	1,326,369	12,411	1,338,780
Cass	5,149,863	4,995,521	10,145,384	399,670	408,730	808,400
Griggs	491,916	714,275	1,206,191	121,244	42,306	163,550
Steele	3,906,829	358,175	4,265,004	366,237	19,082	385,319
Traill	2,910,830	3,188,840	6,099,670	775,191	64,902	840,093
East Central	21,912,047	10,510,485	32,422,532	2,988,711	547,431	3,536,142
Adams	435,644	788,380	1,224,024	106,142	109,813	215,955
Bowman	4,796,665	846,068	5,642,733	982,964	409,319	1,392,283
Golden Valley	654,995	626,429	1,281,424	133,671	382,474	516,145
Hettinger	9,900	1,831,007	1,840,907	13,340	215,714	229,054
Stark	9,970,022	419,933	10,389,955	978,784	89,181	1,067,965
Southwest	15,867,226	4,511,817	20,379,043	2,214,901	1,206,501	3,421,402
Burleigh	1,554,135	1,096,573	2,650,708	174,872	72,663	247,535
Emmons	1,447,195	1,426,170	2,873,365	50,202	3,975	54,177
Grant	0	1,254,475	1,254,475	0	33,245	33,245
Morton	772,087	2,781,444	3,553,531	32,257	33,717	65,974
Sioux	6,640	362,315	368,955	62,257	41,414	103,671
South Central	3,780,057	6,920,977	10,701,034	319,588	185,014	504,602
Dickey	2,768,175	97,069	2,865,244	635,826	0	635,826
LaMoure	4,385,679	308,023	4,693,702	640,897	98,632	739,529
Logan	3,079,640	407,701	3,487,341	287,758	15,842	303,600
McIntosh	1,825,818	278,317	2,104,135	181,286	2,853	184,139
Ransom	1,312,746	360,087	1,672,833	19,999	38,338	58,337
Richland	3,530,142	1,945,710	5,475,852	65,388	65,579	130,967
Sargent	4,292,713	308,984	4,601,697	639,104	11,684	650,788
Southeast	21,194,913	3,705,891	24,900,804	2,470,258	232,928	2,703,186
STATE	153,397,071	40,565,326	193,962,397	94,996,084	9,971,824	104,967,908

1/ Totals may not add due to rounding.
Source: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

June 1988

GRAIN SHIPMENTS CONT.

BARLEY AND OATS: Shipments from Commercial Storages
by County and Mode of Shipment, North Dakota, July 1, 1986 - June 30, 1987 1/

District and County	Barley			Oats		
	Rail	Truck	Total	Rail	Truck	Total
	----- Bushels -----			--- Bushels -----		
Burke	2,093,611	0	2,093,611	219,548	32,408	251,956
Divide	1,368,403	9,052	1,377,455	80,927	52,776	133,703
Mountrail	2,504,382	44,920	2,549,302	436,575	13,528	450,103
Renville	2,388,229	0	2,388,229	226,729	7,105	233,834
Ward	11,021,863	115,023	11,136,886	1,985,990	463,957	2,449,947
Williams	2,827,672	69,708	2,897,380	71,366	90,021	161,387
Northwest	22,204,160	238,703	22,442,863	3,021,135	659,795	3,680,930
Benson	2,250,028	20,307	2,270,335	18,712	910	19,622
Bottineau	10,774,813	45,305	10,820,118	297,329	141,476	438,805
McHenry	672,891	1,478	674,369	105,979	33,251	139,230
Pierce	1,632,070	101,196	1,733,266	56,480	1,398	57,878
Rolette	1,902,767	100,034	2,002,801	0	0	0
North Central	17,232,569	268,320	17,500,889	478,500	177,035	655,535
Cavalier	9,131,324	468,631	9,599,955	4,688	1,560	6,248
Grand Forks	8,125,272	640,529	8,765,801	0	6,709	6,709
Nelson	3,264,225	175,958	3,440,183	0	10,223	10,223
Pembina	3,372,917	239,914	3,612,831	0	4,206	4,206
Ramsey	6,155,307	109,816	6,265,123	4,278	2,404	6,682
Towner	2,869,878	164,967	3,034,845	0	0	0
Walsh	4,917,076	396,581	5,313,657	35,936	1,562	37,498
Northeast	37,835,999	2,196,396	40,032,395	44,902	26,664	71,566
Dunn	0	1,010	1,010	0	39,313	39,313
McKenzie	0	79,835	79,835	0	42,101	42,101
McLean	2,361,937	126,055	2,487,992	1,146,352	117,141	1,263,493
Mercer	84,499	44,927	129,426	312,184	200,676	512,860
West Central	2,446,436	251,827	2,698,263	1,458,536	399,231	1,857,767
Eddy	450,504	7,850	458,354	35,996	3,026	39,022
Foster	1,315,459	24,330	1,339,789	85,998	19,827	105,825
Kidder	127,892	6,728	134,620	110,020	10,824	120,844
Sheridan	443,934	103,979	547,913	129,574	11,291	140,865
Stutsman	7,929,306	761,922	8,691,228	134,957	48,223	183,180
Wells	3,064,517	842,937	3,907,454	47,026	4,790	51,816
Central	13,331,612	1,747,746	15,079,358	543,571	97,981	641,552
Barnes	5,009,180	1,630,861	6,640,041	97,983	16,624	114,607
Cass	11,066,232	1,210,521	12,276,753	18,999	9,715	28,714
Griggs	1,325,683	154,737	1,480,420	10,000	0	10,000
Steele	4,365,724	198,776	4,564,500	77,577	114,875	192,452
Traill	7,923,572	942,598	8,866,170	0	8,311	8,311
East Central	29,690,391	4,137,493	33,827,884	204,559	149,525	354,084
Adams	19,181	5,687	24,868	28,258	32,240	60,498
Bowman	1,094,312	255,454	1,349,766	0	4,848	4,848
Golden Valley	104,125	21,022	125,147	15,635	4,575	20,210
Hettinger	0	330,545	330,545	0	45,501	45,501
Stark	1,846,233	206,808	2,053,041	57,053	264,221	321,274
Southwest	3,063,851	819,516	3,883,367	100,946	351,385	452,331
Burleigh	149,675	10,851	160,526	78,301	97,806	176,107
Emmons	231,948	42,973	274,921	128,582	11,732	140,315
Grant	0	28,048	28,048	3,030	35,436	38,466
Morton	267,900	19,881	287,781	53,095	38,621	91,716
Sioux	169,570	24,610	194,180	0	16,088	16,088
South Central	819,093	126,363	945,456	263,009	199,683	462,692
Dickey	1,519,123	14,282	1,533,405	139,984	55,726	195,710
LaMoure	2,574,450	31,970	2,606,420	335,521	21,787	357,308
Logan	209,623	20,214	229,837	108,197	4,520	112,717
McIntosh	77,874	22,817	100,691	104,032	6,450	110,482
Ransom	945,189	103,348	1,048,537	33,297	38,714	72,011
Richland	2,476,691	141,003	2,617,694	110,833	92,387	203,220
Sargent	1,767,066	27,574	1,794,640	127,084	32,461	159,545
Southeast	9,570,016	361,208	9,931,224	958,948	252,045	1,210,993
STATE	136,194,127	10,147,572	146,341,699	7,074,106	2,313,344	9,387,450

1/ Totals may not add due to rounding.
Source: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

GRAIN SHIPMENTS CONT.

SUNFLOWER, FLAXSEED AND CORN: Shipments from Commercial Storages by County and Mode of Shipment, North Dakota, July 1, 1986 - June 30, 1987 1/

District and County	Sunflower			Flaxseed			Corn		
	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total
	---- Hundredweight ----			---- Bushels ----			---- Bushels ----		
Burke	19,650	5,100	24,750	0	896	896	0	0	0
Divide	6,380	5,553	11,933	10,371	5,203	15,574	0	0	0
Mountrail	116,833	19,762	136,595	6,635	9,792	16,427	0	0	0
Renville	10,700	0	10,700	54,000	24,365	78,365	0	0	0
Ward	798,308	10,819	809,127	460,848	198,896	659,744	0	0	0
Williams	7,260	2,548	9,808	0	9,445	9,445	0	0	0
Northwest	959,131	43,782	1,002,913	531,854	248,597	780,451	0	0	0
Benson	155,935	226,009	381,944	55,891	76,520	132,411	37,905	60,915	98,820
Bottineau	264,314	40,062	304,376	141,164	101,349	242,513	0	0	0
McHenry	210,512	161,184	371,696	25,403	49,565	74,968	0	881	881
Pierce	67,805	294,107	361,912	16,480	93,295	109,775	19,843	9,703	29,546
Rolette	58,278	37,760	96,038	57,774	79,669	137,443	0	0	0
North Central	756,844	759,122	1,515,966	296,712	400,398	697,110	57,748	71,499	129,247
Cavalier	5,000	50,848	55,848	122,498	389,063	511,561	144,600	27,262	171,862
Grand Forks	117,332	277,415	394,747	345,019	35,073	380,092	97,895	426,484	524,379
Nelson	189,499	131,347	320,846	93,488	110,703	204,191	0	0	0
Pembina	787	15,313	16,100	4,221	117,066	121,287	51,141	166,230	217,371
Ramsey	346,224	131,752	477,976	168,778	140,985	309,763	148,229	28,274	176,503
Towner	29,944	429,491	459,435	77,666	156,560	234,226	23,280	0	23,280
Walsh	233,522	95,605	329,127	318,453	52,086	370,539	77,168	202,985	280,153
Northeast	922,308	1,131,771	2,054,079	1,130,123	1,001,936	2,131,659	542,313	851,235	1,393,548
Dunn	450	4,319	4,769	0	0	0	0	0	0
McKenzie	0	0	0	0	0	0	0	0	0
McLean	489,285	216,639	705,924	224,591	208,698	433,289	6,489	88,226	94,715
Mercer	2,800	57,237	60,037	0	20,451	20,451	0	634	634
West Central	492,535	278,195	770,730	224,591	229,149	453,740	6,489	88,860	95,349
Eddy	44,700	129,919	174,619	1,800	56,719	58,519	0	16,701	16,701
Foster	360,974	342,676	703,650	12,031	57,816	69,847	31,144	0	31,144
Kidder	0	34,224	34,224	0	39,961	39,961	0	0	0
Sheridan	37,310	44,542	81,852	42,597	60,132	102,729	0	0	0
Stutsman	415,461	590,143	1,005,604	29,123	233,082	262,205	100,969	72,773	173,742
Wells	467,872	411,603	879,475	74,046	195,540	269,586	3,393	158,404	161,797
Central	1,326,317	1,553,107	2,879,424	159,597	643,250	802,847	135,506	247,878	383,384
Barnes	191,451	1,438,110	1,629,561	13,684	194,364	208,048	6,821	83,900	90,721
Cass	128,288	1,219,099	1,347,387	0	109,341	109,341	5,259,848	756,793	6,016,641
Griggs	11,370	463,840	475,210	0	102,821	102,821	6,400	19,712	26,112
Steele	41,076	173,405	214,481	155,410	159,058	314,468	24,570	27,710	52,280
Traill	41,456	334,243	375,699	0	24,140	24,140	3,052,112	122,213	3,174,325
East Central	413,641	3,628,697	4,042,338	169,094	589,724	758,818	8,349,751	1,010,328	9,360,079
Adams	21,309	7,492	28,801	890	4,999	5,889	0	0	0
Bowman	9,894	11,981	21,875	0	4,484	4,484	0	0	0
Golden Valley	0	0	0	0	31,953	31,953	0	39,294	39,294
Hettinger	0	94,646	94,646	0	10,919	10,919	0	15,148	15,148
Stark	52,039	35,052	87,091	0	8,883	8,883	0	0	0
Southwest	83,242	149,171	232,413	890	61,238	62,128	0	54,442	54,442
Burleigh	44,038	66,358	110,396	27,123	104,675	131,798	0	878	878
Emmons	0	71,696	71,696	68,394	51,979	120,373	0	848	848
Grant	0	231,214	231,214	0	0	0	0	9,673	9,673
Morton	0	95,793	95,793	0	30,022	30,022	0	0	0
Sioux	2,100	13,796	15,896	0	0	0	0	901	901
South Central	46,138	478,857	524,995	95,517	186,676	282,193	0	12,300	12,300
Dickey	58,863	763,987	822,850	105,269	34,480	139,749	1,554,977	130,753	1,685,730
LaMoure	46,100	732,654	778,754	31,066	187,140	218,206	41,323	145,308	186,631
Logan	49,276	444,639	493,915	120,101	54,451	174,552	0	0	0
McIntosh	22,446	14,287	36,733	22,034	55,983	78,017	0	0	0
Ransom	96,796	127,866	224,662	5,893	1,798	7,691	449,403	281,994	731,397
Richland	23,853	1,059,990	1,083,843	3,400	28,846	32,246	7,040,373	1,888,022	8,928,395
Sargent	50,884	584,138	635,022	775	46,140	46,915	3,276,585	199,481	3,476,066
Southeast	348,218	3,727,561	4,075,779	288,538	408,838	697,376	12,362,661	2,645,558	15,008,219
STATE	5,348,374	11,750,263	17,098,637	2,896,916	3,769,406	6,666,322	21,454,468	4,982,100	26,436,568

1/ Totals may not add due to rounding.
Source: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

GRAIN SHIPMENTS CONT.

HARD RED SPRING WHEAT AND DURUM WHEAT: Shipments from Commercial Storages by County and Destination, North Dakota, July 1, 1986 - June 30, 1987 1/

District and County	Hard Red Spring Wheat				Durum Wheat			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc. 2/	Duluth/ Superior	Mpls./ St. Paul	West	Misc. 2/
	---- Bushels ----				--- Bushels ----			
Burke	484,615	187,655	1,308,634	171,363	1,098,319	69,490	172,824	968,679
Divide	25,710	66,561	253,232	116,649	1,478,915	623,513	624,888	3,305,880
Mountrail	171,851	69,542	115,869	306,602	2,582,507	1,550,622	166,747	3,751,493
Renville	193,171	618,097	542,760	111,235	245,175	1,245,602	0	178,188
Ward	2,767,995	1,404,748	3,762,065	3,031,974	7,330,169	2,129,820	257,928	4,607,366
Williams	71,522	282,859	3,721,928	606,662	238,466	427,342	629,904	3,078,943
Northwest	3,714,864	2,629,462	9,704,488	4,344,485	13,373,551	6,046,389	1,852,291	15,890,549
Benson	238,963	83,773	0	455,309	1,391,472	1,113,096	0	1,744,777
Bottineau	172,637	355,745	1,659,554	754,265	3,632,051	352,167	333,332	6,688,235
McHenry	271,704	939,211	609,026	484,068	25,617	17,710	0	2,435
Pierce	698,748	540,505	0	130,515	924,991	784,602	0	46,799
Rolette	166,130	150,824	0	174,316	1,309,711	628,236	66,666	1,403,116
North Central	1,548,182	2,070,058	2,268,580	1,998,473	7,283,842	2,895,811	399,998	9,885,362
Cavalier	1,714,287	1,587,258	0	2,174,016	3,345,295	1,344,223	0	1,376,964
Grand Forks	4,770,151	2,501,118	0	3,625,206	390,981	178,957	0	198,868
Nelson	1,750,051	827,573	0	748,872	1,876,343	427,455	0	548,411
Pembina	3,187,828	1,233,289	0	5,109,849	151,310	5,779	0	64,579
Ramsey	1,660,617	890,674	0	1,514,877	4,066,079	802,448	86,450	2,015,753
Towner	103,167	62,539	0	174,369	2,424,282	666,719	105,791	1,504,055
Walsh	4,215,616	3,478,851	3,266	3,621,727	401,112	129,475	0	36,459
Northeast	17,401,717	10,581,302	3,266	16,968,916	12,655,402	3,555,056	192,241	5,745,089
Dunn	11,183	42,268	72,526	49,652	0	0	0	8,088
McKenzie	4,152	66,761	101,297	494,551	2,690	161,639	800	83,581
McLean	594,111	1,130,992	870,232	2,945,858	3,414,365	1,050,062	0	2,055,997
Mercer	604,712	569,294	108,290	470,737	124,897	81,737	0	54,477
West Central	1,214,158	1,809,315	1,152,345	3,960,798	3,541,952	1,293,438	800	2,202,143
Eddy	92,023	109,594	57,415	100,824	94,711	88,911	0	64,740
Foster	1,013,939	1,719,583	69,566	528,250	1,013,879	166,006	0	126,638
Kidder	92,216	606,217	5,853	249,911	114,098	77,089	0	21,850
Sheridan	187,392	945,710	66,948	98,045	47,308	31,194	0	15,255
Stutsman	3,118,180	3,255,986	599,308	5,846,204	1,861,635	565,187	0	615,284
Wells	1,468,577	928,860	1,792,836	1,235,138	1,869,122	338,951	246,997	629,807
Central	5,972,327	7,565,950	2,591,926	8,058,372	5,000,753	1,267,338	246,997	1,473,574
Barnes	4,523,942	3,535,656	1,428	2,645,257	1,098,150	173,670	0	66,960
Cass	2,878,119	5,249,938	0	2,017,327	618,592	161,369	0	28,439
Griggs	285,770	521,439	0	398,982	106,355	43,724	0	13,471
Steele	1,574,718	1,376,219	0	1,314,067	276,582	62,720	0	46,017
Traill	2,041,187	2,554,073	15,867	1,488,543	367,342	88,962	30,000	353,789
East Central	11,303,736	13,237,325	17,295	7,864,176	2,467,021	530,445	30,000	508,676
Adams	136,762	198,372	555,732	333,158	39,606	104,247	0	72,102
Bowman	36,083	2,128,196	1,424,915	2,053,539	228,260	101,593	6,534	1,055,896
Golden Valley	32,914	154,717	336,954	756,839	25,741	112,212	770	377,422
Hettinger	66,033	337,974	1,156,836	280,064	31,580	169,449	0	28,025
Stark	3,146,619	813,333	4,181,202	2,248,801	288,769	111,349	43,073	624,774
Southwest	3,418,411	3,632,592	7,655,639	5,672,401	613,956	598,850	50,377	2,158,219
Burleigh	186,328	1,722,227	144,305	597,848	106,538	81,870	801	58,326
Emmons	287,077	1,370,749	821	1,214,718	13,000	31,883	0	9,294
Grant	5,922	599,839	334,682	314,032	1,663	16,757	0	14,825
Morton	229,653	2,362,274	471,769	489,835	14,315	18,006	8,857	24,796
Sioux	0	15,596	10,722	342,637	20,706	24,220	0	58,745
South Central	708,980	6,070,685	962,299	2,959,070	156,222	172,736	9,658	165,986
Dickey	523,554	1,448,981	0	892,709	162,492	217,634	186,963	68,737
LaMoure	1,900,538	1,716,590	0	1,076,574	279,262	346,582	0	114,685
Logan	672,676	1,470,535	83,730	1,260,400	147,173	96,829	0	59,598
McIntosh	294,577	854,296	0	955,262	109,965	67,222	0	6,952
Ransom	438,987	730,341	0	503,505	43,535	13,914	0	988
Richland	1,832,489	2,675,961	0	967,402	62,448	34,753	0	33,766
Sargent	618,783	2,526,385	6,400	1,450,129	253,647	212,921	0	184,220
Southeast	6,281,604	11,423,089	90,130	7,105,981	1,057,522	989,855	186,963	468,846
STATE	51,563,979	59,019,778	24,445,968	58,932,672	46,150,221	17,349,918	2,969,325	38,498,444

1/ Totals may not add due to rounding. 2/ Includes all other destinations. Source: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

GRAIN SHIPMENTS CONT.

BARLEY AND OATS: Shipments from Commercial Storages
by County and Destination, North Dakota, July 1, 1986 - June 30, 1987 1/

District and County	Barley				Oats			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc. 2/	Duluth/ Superior	Mpls./ St. Paul	West	Misc. 2/
	---- Bushels ----				---- Bushels ----			
Burke	21,990	38,437	1,718,728	314,456	4,687	103,314	2,819	141,136
Divide	32,806	22,968	863,050	458,631	0	79,439	0	54,264
Mountrail	22,500	204,094	1,697,970	624,738	0	253,633	4,440	192,030
Renville	36,000	240,685	1,723,959	387,585	0	211,729	0	22,105
Ward	135,751	1,363,041	4,618,428	5,019,666	14,063	1,088,629	0	1,347,255
Williams	8,000	50,869	1,879,494	959,017	0	82,822	12,262	66,303
Northwest	257,047	1,920,094	12,501,629	7,764,093	18,750	1,819,566	19,521	1,823,093
Benson	125,032	410,323	1,244,462	490,518	0	9,384	0	10,238
Bottineau	91,519	336,924	3,261,788	7,129,887	0	185,466	2,813	250,526
McHenry	14,507	344,111	239,273	76,478	0	90,462	0	48,768
Pierce	43,200	42,684	100,000	1,547,382	0	42,237	0	15,641
Rolette	18,750	487,500	1,313,217	183,334	0	0	0	0
North Central	293,008	1,621,542	6,158,740	9,427,599	0	327,549	2,813	325,173
Cavalier	750,761	1,798,244	2,027,355	5,023,595	0	4,688	0	1,560
Grand Forks	1,163,242	2,996,331	1,161,292	3,444,936	0	1,687	0	5,022
Nelson	321,914	1,202,717	654,983	1,260,569	0	6,669	0	3,554
Pembina	422,016	269,818	848,696	2,072,301	0	4,206	0	0
Ramsey	360,722	767,714	2,428,034	2,708,653	0	4,278	0	2,404
Towner	56,060	180,425	1,974,991	823,369	0	0	0	0
Walsh	1,046,501	1,513,157	951,491	1,802,508	0	28,280	0	9,218
Northeast	4,121,216	8,728,406	10,046,842	17,135,931	0	49,808	0	21,758
Dunn	0	0	0	1,010	0	3,243	0	36,070
McKenzie	0	0	3,848	75,987	0	0	17,081	25,020
McLean	0	68,872	1,504,764	914,356	0	867,390	24,139	371,964
Mercer	0	0	90,799	38,627	13,500	172,586	118,427	208,347
West Central	0	68,872	1,599,411	1,029,980	13,500	1,043,219	159,647	641,401
Eddy	7,725	45,209	320,397	85,023	0	32,877	0	6,145
Foster	35,588	206,708	656,250	441,243	1,407	35,320	0	69,098
Kidder	19,271	32,100	42,000	41,249	0	93,750	0	27,094
Sheridan	24,792	165,940	98,335	258,846	0	103,215	0	37,650
Stutsman	666,854	163,698	3,437,306	4,423,370	5,000	67,166	0	111,014
Wells	0	46,281	2,339,633	1,521,540	0	17,177	0	34,639
Central	754,230	659,936	6,893,921	6,771,271	6,407	349,505	0	285,640
Barnes	1,396,076	2,182,022	666,876	2,395,067	0	57,590	0	57,017
Cass	1,182,533	3,406,535	949,696	6,737,989	0	1,500	0	27,214
Griggs	125,850	580,981	7,500	766,089	0	10,000	0	0
Steele	640,483	1,905,908	571,274	1,446,835	0	77,577	0	114,875
Traill	380,917	2,630,976	718,147	5,136,130	0	8,311	0	0
East Central	3,725,859	10,706,422	2,913,493	16,482,110	0	154,978	0	199,106
Adams	0	0	7,801	17,067	0	0	0	60,498
Bowman	0	0	381,034	968,732	0	0	0	4,848
Golden Valley	0	0	0	125,147	0	0	0	20,210
Hettinger	10,290	0	10,529	309,996	0	26,431	0	19,070
Stark	0	166,280	1,647,533	239,228	0	98,383	1,494	221,397
Southwest	10,290	166,280	2,046,627	1,660,170	0	124,814	1,494	326,023
Burleigh	7,380	3,600	80,750	68,796	0	18,989	7,147	149,971
Emmons	23,208	71,387	40,174	140,152	26,250	61,307	0	52,758
Grant	0	0	1,361	26,687	0	15,702	0	22,764
Morton	20,964	0	219,040	47,777	0	36,030	2,740	52,946
Sioux	1,051	0	119,187	73,942	0	9,777	0	6,311
South Central	52,603	74,987	460,512	357,354	26,250	141,805	9,887	284,750
Dickey	177,600	933,212	26,641	395,952	0	132,631	0	63,079
LaMoure	333,898	1,398,797	171,867	701,858	4,812	206,409	0	146,087
Logan	65,063	55,962	7,400	101,412	0	56,532	0	56,185
McIntosh	10,600	13,453	15,000	61,638	0	87,039	0	23,443
Ransom	248,663	591,947	0	207,927	0	21,760	0	50,251
Richland	70,638	1,380,210	7,083	1,159,763	0	99,981	0	103,239
Sargent	15,523	1,200,381	0	578,736	4,600	73,938	0	81,007
Southeast	921,985	5,573,962	227,991	3,207,286	9,412	678,290	0	523,291
STATE	10,136,238	29,520,501	42,849,166	63,835,794	74,319	4,689,534	193,362	4,430,235

1/ Totals may not add due to rounding. 2/ Includes all other destinations. Source: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

GRAIN SHIPMENTS CONT.

SUNFLOWER AND FLAXSEED: Shipments from Commercial Storages
by County and Destination, North Dakota, July 1, 1986 - June 30, 1987 1/

District and County	Sunflower				Flaxseed			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc. 2/	Duluth/ Superior	Mpls./ St. Paul	West	Misc. 2/
	---- Bushels ----				--- Bushels ----			
Burke	21,250	0	0	67,143	0	0	0	896
Divide	0	0	0	42,618	926	6,900	0	7,748
Mountrail	255,561	0	0	232,279	0	868	0	15,559
Renville	6,071	0	0	32,143	878	60,988	0	16,499
Ward	773,968	344,843	0	1,770,929	56,821	70,486	0	532,437
Williams	30,436	0	0	4,593	0	0	0	9,445
Northwest	1,087,286	344,843	0	2,149,705	58,625	139,242	0	582,584
Benson	188,279	203,275	0	972,531	29,278	33,110	0	70,023
Bottineau	553,625	3,214	0	530,217	5,243	53,500	0	183,770
McHenry	70,608	458,583	0	798,296	0	28,411	0	46,557
Pierce	260,967	1,732	0	1,029,844	0	64,287	0	45,488
Rolette	226,100	0	1,975	114,919	0	12,815	0	124,628
North Central	1,299,579	666,804	1,975	3,445,807	34,521	192,123	0	470,466
Cavalier	76,288	22,414	0	100,754	31,932	161,501	0	318,128
Grand Forks	547,634	28,907	321	832,946	0	59,616	8	320,468
Nelson	492,502	103,866	0	549,514	21,358	64,600	0	118,233
Pembina	2,811	0	0	54,688	43,071	26,315	0	51,901
Ramsey	689,261	364,193	0	653,600	53,697	46,287	0	209,779
Towner	684,840	0	0	955,999	55,898	935	2,839	174,554
Walsh	545,613	22,500	0	607,344	24,224	50,164	0	296,151
Northeast	3,038,949	541,880	321	3,754,845	230,180	409,418	2,847	1,489,214
Dunn	0	1,607	0	15,425	0	0	0	0
McLean	471,558	20,086	3,504	2,026,014	4,944	37,801	0	390,544
Mercer	0	82,978	0	131,439	756	9,900	0	9,795
West Central	471,558	104,671	3,504	2,172,878	5,700	47,701	0	400,339
Eddy	197,665	0	0	425,974	0	2,601	0	55,918
Foster	609,101	383,560	18,982	1,501,389	0	14,963	0	54,884
Kidder	0	0	0	122,229	0	8,866	0	31,095
Sheridan	44,996	0	0	247,332	0	0	0	102,729
Stutsman	599,755	3,682	39,286	2,948,715	0	6,880	0	255,325
Wells	749,438	48,039	8,929	2,334,572	21,092	1,324	800	246,370
Central	2,200,955	435,281	67,197	7,580,211	21,092	34,634	800	746,321
Barnes	354,595	19,743	0	5,445,524	0	0	0	208,048
Cass	287,967	97,028	49,707	4,377,399	0	12,015	0	97,326
Griggs	73,560	0	0	1,623,616	0	12,114	0	90,707
Steele	37,714	1,743	0	726,549	2,877	1,756	0	309,835
Traill	45,214	0	0	1,296,566	0	5,261	0	18,879
East Central	799,050	118,514	49,707	13,469,654	2,877	31,146	0	724,795
Adams	55,539	0	0	47,321	0	0	780	5,109
Bowman	3,396	0	0	74,727	0	0	0	4,484
Golden Valley	0	0	0	0	3,109	8,489	14,159	6,196
Hettinger	0	0	0	338,021	0	3,828	0	7,091
Stark	119,736	127,299	0	64,004	0	1,163	0	7,720
Southwest	178,671	127,299	0	524,073	3,109	13,480	14,939	30,600
Burleigh	29,329	2,414	64,693	297,835	0	45,079	0	86,719
Emmons	0	0	0	256,055	0	13,257	0	107,116
Grant	0	0	0	825,765	0	0	0	0
Morton	0	1,468	0	340,651	0	855	0	29,167
Sioux	0	0	0	56,771	0	0	0	0
South Central	29,329	3,882	64,693	1,777,077	0	59,191	0	223,002
Dickey	18,357	155,270	0	2,765,121	3,258	61,555	0	74,936
LaMoure	105,774	61,044	16,368	2,598,081	9,124	15,129	0	193,953
Logan	105,257	20,464	0	1,638,262	6,415	33,832	0	134,305
McIntosh	26,878	643	0	103,668	6,482	11,024	0	60,511
Ransom	191,496	0	0	610,869	0	0	0	7,691
Richland	61,763	552,949	33,810	3,222,339	0	0	0	32,246
Sargent	90,353	8,550	31,164	2,137,869	0	6,606	0	40,309
Southeast	599,878	798,920	81,342	13,076,209	25,279	128,146	0	543,951
STATE	9,705,255	3,142,094	268,739	47,950,459	381,383	1,055,081	18,586	5,211,272

1/ Totals may not add due to rounding. 2/ Includes all other destinations. Source: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

CUSTOM FARM WORK RATES

STATE-WIDE AVERAGES, NORTH DAKOTA, 1986 WITH COMPARISONS

Operation	Average Rate 1980	1982	1984	1986 Most Frequent Rate Reported	1986 Avg. Rate
LAND TILLAGE					
DEEP TILLAGE	- - - Dollars/Acre - - -				
Plowing (Moldboard)	6.14	6.11	6.18	6.00	6.25
Alfalfa Sod Breaking	7.94	7.52	7.60	8.00	7.82
Heavy Disking	4.31	4.55	5.10	5.00	5.21
Deep Chisel	4.40	4.59	5.03	5.00	4.96
SHALLOW TILLAGE					
Field Cult. (Duckfoot)	3.14	3.52	3.81	3.00	3.63
One-Way Disk	3.87	3.76	4.15	5.00	4.01
Tandem Disk	3.76	3.88	4.15	4.00	4.24
Multiple Hitch Cult.	NA	NA	NA	4.00	4.27
Rotary Hoe	2.59	2.92	2.98	3.00	3.15
Harrowing	1.99	2.26	2.45	2.00	2.29
Row Crop Cultivation					
Wide-Row (> 31 in.)	3.23	3.39	3.53	4.00	3.61
Narrow-Row (< 31 in.)	3.36	3.48	3.72	3.00	3.56
SMALL GRAIN SEEDING					
REGULAR DRILLING					
With Fertilizer Appl.	4.42	4.68	4.54	5.00	4.78
Without Fertilizer Appl.	3.87	4.14	4.40	5.00	4.44
PONY PRESS DRILL					
With Fertilizer Appl.	7.64	6.89	7.10	8.00	7.89
Without Fertilizer Appl.	6.77	6.33	7.07	6.00	7.69
ROW CROP PLANTING					
Corn	4.15	4.77	*4.72	5.00	*5.00
Soybeans	3.94	4.68	*4.84	5.00	*4.95
Dry Edible Beans	4.17	4.62	*4.99	5.00	*4.90
Sunflower	4.35	4.77	*4.88	5.00	*5.04
Potatoes	7.24	5.91	7.09	4.00	6.10
Sugarbeets	5.33	5.95	6.80	5.00	5.44
FERTILIZER APPLICATION					
Dry Fertilizer	2.14	2.58	*2.74	2.00	*2.56
Liquid Fertilizer	2.52	3.08	3.23	2.50	3.10
Anhydrous Ammonia	3.68	3.82	*4.55	5.00	*4.64
CHEMICAL APPLICATION					
BY SURFACE VEHICLES					
Herbicides	1.86	2.08	*2.44	2.00	*2.37
Insecticides	2.14	2.11	*2.49	2.00	*2.54
Fungicides	2.21	2.14	2.44	2.50	2.50
Desiccants	2.31	2.13	2.34	2.50	2.47
BY AIRCRAFT					
Herbicides	2.55	3.02	3.04	3.00	2.96
Insecticides	2.67	3.10	3.14	3.00	3.03
Fungicides	2.82	3.21	3.23	3.00	3.17
Desiccants	2.88	3.24	3.24	3.00	3.20
HARVESTING CROPS					
SWATHING					
Self-Propelled	3.12	3.55	3.73	3.00	3.67
PTO Unit	2.93	3.16	3.36	3.00	3.39
COMBINING FROM SWATHS					
Wheat, All	11.02	12.67	12.59	12.00	11.64
Barley	11.09	12.67	12.62	12.00	11.61
Flaxseed	11.25	12.85	12.56	12.00	11.78
Soybeans	11.96	14.31	14.17	12.00	13.41
Dry Edible Beans(/cwt.)	13.66	15.91	15.04	15.00	14.65
COMBINING, STRAIGHT					
Wheat, All	NA	12.76	12.57	12.00	11.71
Corn	13.01	15.10	14.83	15.00	14.46
Sunflower (per cwt.)	12.12	13.52	13.26	12.00	12.54
Soybeans	NA	14.46	14.17	15.00	14.08
DRY BEAN HARVESTING					
Cutting Only	NA	7.66	7.34	5.00	7.88
Windrowing	NA	4.70	4.77	3.00	4.32
Cutting & Windrowing	NA	12.84	13.00	10.00	12.06
HAYING					
Mowing	3.15	3.43	3.28	3.00	3.49
Mowing & Conditioning	4.47	5.29	5.10	5.00	5.28
Swathing	3.87	4.57	4.26	4.00	4.11
Side Delivery Raking	2.13	2.28	2.04	2.00	2.28
BALING	- - - Dollars/Bale - - -				
Square bales with twine	.265	.280	.340	.250	.340
Round bales 800-999 lbs.	4.46	4.51	4.49	4.00	4.24
Round bales 1000-1500 lbs.	5.06	5.12	5.06	5.00	4.91
Round bales over 1500 lbs.	5.96	5.81	5.54	5.00	5.40

Operation	Average Rate 1980	1982	1984	1986 Most Frequent Rate Reported	1986 Avg. Rate
HAYING CONT.					
MECHANIZED LOOSE HAY STACKING	- - - Dollars/Stack - - -				
1.5 - 3 Ton Stack	17.59	17.21	18.32	15.00	18.14
3 - 6 Ton Stack	25.10	21.81	25.50	25.00	24.92
More than 6 Ton Stack	NA	23.25	26.32	25.00	28.32
MAKING CORN SILAGE					
FIELD CHOPPING ONLY	- - - Dollars/Unit - - -				
Per Acre	13.59	15.76	16.41	15.00	16.06
Per Hour	30.06	35.46	43.50	40.00	44.83
FIELD CHOPPING PLUS HAULING TO SILO					
Per Acre	16.55	18.42	21.22	20.00	19.54
Per Hour	41.77	48.94	44.57	40.00	44.83
FIELD CHOPPING PLUS HAULING TO AND FILLING SILO					
Per Acre	18.32	21.60	22.37	20.00	19.54
Per Hour	43.00	51.22	59.64	NA	46.27
DRYING GRAIN	- - - Cents/Bushel - - -				
Wheat, All	16.2	15.0	15.1	10.0	16.2
Barley	15.2	15.3	15.3	10.0	16.2
Corn	18.0	18.1	17.6	10.0	18.6
Flax	NA	17.2	17.2	15.0	13.0
Sunflower (per cwt.)	27.3	28.6	30.9	20.0	14.6
HAULING CHARGES					
HAULING GRAIN					
Wheat, All	10.8	10.7	9.5	10.0	9.6
Barley	10.1	10.1	9.1	10.0	9.3
Flax	NA	11.0	9.6	10.0	8.8
Corn	NA	10.7	9.1	10.0	8.6
Sunflower (per cwt.)	14.9	17.0	16.5	10.0	16.8
HAULING HAY	- - - Dollars/Bale - - -				
Small Square Bales	.184	.182	.166	.100	.156
Large Round Bales					
800-999 lbs.	1.73	1.50	2.38	1.00	1.91
1000-1500 lbs.	3.11	2.00	2.72	1.00	2.51
Over 1500 lbs.	4.25	2.20	2.50	1.00	1.92
MOVING LOOSE HAYSTACKS	- - - Dollars/Stack - - -				
1.5 - 3 Ton	9.52	10.10	11.18	7.00	10.08
3 - 6 Ton	13.29	12.24	11.97	10.00	9.77
More Than 6 Ton	13.19	12.71	12.44	10.00	12.79
CLEANING & TREATING					
SEED GRAIN	- - - Dollars/Bushel - - -				
Cleaning Only	.221	.254	.275	.250	.277
Treating Only	.263	.318	.404	.500	.393
Cleaning & Treating	.457	.542	.678	.500	.643
FLAXSEED					
Cleaning Only	.409	.426	.438	.500	.455
Treating Only	.313	.381	.400	.500	.425
Cleaning & Treating	.719	.766	.773	.850	.852
MISCELLANEOUS					
CUSTOM FARMING	- - - Dollars/Acre - - -				
Small Grains	NA	NA	NA	40.00	34.44
Row Crops	NA	NA	NA	40.00	42.09
SPRAYING LIVESTOCK	- - - Dollars/Head - - -				
Cattle	.55	.71	1.10	1.00	1.00
BRANDING LIVESTOCK					
Calves	1.15	1.15	1.13	NA	1.20
SHEARING SHEEP	1.34	1.38	1.39	1.50	1.53
DIGGING POST HOLES ($/Hole)	1.14	1.42	1.65	2.00	1.96
Average Depth (Feet)	3.1	3.4	3.0	4.0	3.5
ON-FARM FEED GRINDING & MIXING	- - - Dollars/100 bu. - - -				
Mobile Truck	12.03	15.08	23.68	NA	23.57
PTO Unit	11.35	13.15	16.08	NA	15.37
	- - - Dollars/Hour - - -				
Farm Drainage/Ditching	43.24	50.54	56.80	50.00	54.48
Land Leveling	42.67	51.55	55.21	50.00	51.17
Rock Picking	22.34	37.02	35.69	30.00	35.34

* Combined average of all types listed separtely in detailed report, i.e. with fertilizer, without fertilizer, minimum till, etc.

MORE DETAILED REPORT AVAILABLE UPON REQUEST

CHRONOLOGY OF NATIONAL AGRICULTURAL STATISTICS SERVICE

1839 Congress appropriates $1,000 to Patent Office for "collection of agricultural statistics and distribution of seeds."

1841 Using 1840 Agricultural Census as a benchmark, Patent Office issues first crop report. Annual releases continue until 1848.

1862 U.S. Department of Agriculture established.

1863 Division of Statistics formed in USDA as predecessor of today's NASS.

1866 Beginning of continuous series of reports on major crops, livestock, and agricultural prices.

1882 Part-time statisticians appointed to develop and maintain group of voluntary crop reporters and provide current information on agriculture.

1892 Now 15,000 farm-reporters provide data for monthly surveys, and 125,000 furnish survey data for annual estimates.

1903 In addition to crop reporters, 61,000 ginners, 24,000 millers and elevator operators, and 22,000 agents of railroads and transportation companies report on agriculture.

1905 Agricultural Statistics Board, a group of highly qualified agricultural statisticians from Washington D.C. and field offices, established to review information and set national and state estimates.

1908 Monthly reports begin on prices farmers receive for their products.

1909 Congress specifies which crops will be covered in crop report, stipulates issuance times, and requires Secretary of Agriculture to sign report. Statisticians, staff, and other workers prohibited by law from making premature disclosure of crop estimates, issuing false reports, or speculating on commodity market.

1917 Wisconsin signs first formal agreement establishing cooperative Federal-State crop-estimating program. (Agreements in effect with 48 States by 1967.)

1919 South Carolina statistician does first fieldwork on objective measurements of crop acreages (now a significant element in NASS crop estimating).

1925 First 5-year census of agriculture taken; previously taken every 10 years.

1928 Objective measurements for forecasting yield start with cotton; corn and wheat later, but are discontinued at the start of World War II.

1943 Quarterly estimates of grain stocks off farms in mills and elevators begin.

1945 Forerunner of today's enumerative surveys launched with interviews of 20,000 farmers in 158 counties and 42 states concerning farm labor.

1954 June enumerative survey of crop acreages opens on research basis in 10 States, 100 counties, and 703 segments.

1956 First comprehensive farm production expenditures survey conducted.

1962 Objective yield surveys for wheat become operational, providing the ASB with additional indications of yield per acre.

1962 NASS begins use of computers. Data Processing Branch created.

1966 Continuous crop and livestock estimating program enters second century.

1974 NASS participates with NASA and NOAA in the Large Area Crop Inventory Experiment, a major inter-departmental effort to demonstrate the potential of satellite data and weather data for use in worldwide crop production estimation and forecasting for wheat.

1978 AgRISTARS, under the leadership of NASS developed as an interagency research program to evaluate the potential of aerospace remote sensing data in meeting USDA information needs.

1979 List frame, a standardized method for building and maintaining a list of names for sampling, becomes operational.

1982 NASS estimating program modified because of budget constraints. Available resources redirected toward maintaining timely and available data series judged to be the most important in monitoring changes in the agricultural sector.

1983 NASS developed its second comprehensive, long-range plan for improved statistical standards, integrated survey programs, and data management systems.

1986 USDA changes the name of Statistical Reporting Service to National Agricultural Statistics Service to more accurately reflect the purpose of the agency and its broad agricultural focus.

1987 "FACT FINDING FOR AGRICULTURE - 125 YEARS OF SERVICE". NASS celebrates 125 years as the leader in providing crop and livestock statistics.

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WHERE TO FIND HISTORIC COUNTY ESTIMATES

The reference table below shows where to find historic estimates. County estimates for most major crops were begun in 1919 and for livestock in 1925 although there are exceptions to both as indicated in the table. Separate estimates of corn production for grain were begun in 1957. Estimates of commercial grain storage capacity were not made in 1959, nor in 1961-64 and were discontinued after 1986.

Estimates for all livestock are on a January 1 inventory number basis until 1968 for hogs and 1970 for chickens when the reference date was changed to December 1. Livestock county estimates were discontinued after 1986.

PUBLICATION REFERENCE

Item	Agricultural Statistics									
	No. 5	No. 33	No. 36	No. 43	No. 46	No. 49	No. 54	No. 55	No. 56	No. 57
Cost	FREE	FREE	FREE	FREE	FREE	FREE	$5.00	$5.00	$5.00	$6.00
Wheat, All	*1919-54	1955-70		1971-75		1976-79	1980-84	1984	1985	1986-87
Winter 1/		1964-70		1971-75		1976-79	1980-84	1984	1985	1986-87
Durum	*1929-54	1955-70		1971-75		1976-79	1980-84	1984	1985	1986-87
Other Spring	*1929-54	1955-70		1971-75		1976-79	1980-84	1984	1985	1986-87
Oats	1919-54		1955-70	1971-75		1976-79	1980-84	1984	1985	1986-87
Barley	1919-54		1955-70	1971-75		1976-79	1980-84	1984	1985	1986-87
Rye	1919-54		1955-70	1971-75		1976-78	1979-84	1984	1985	1986-87
Flaxseed	*1919-54				1955-75	1976-79	1980-84	1984	1985	1986-87
	No. 9									
Corn	1919-54		1955-69	1970-75		1976-79	1980-84	1984	1985	1986-87
Soybeans 2/					1954-75	1976-79	1980-84	1984	1985	1986-87
Potatoes 5/	1919-54				1955-75	1976-79	1980-84	1984	1985-86	
Sugarbeets					1958-75	1976-79	1980-84	1984	1985	1986-87
Sunflower					1969-75	1976-79	1980-84	1984	1985	1986-87
Dry Edible Beans						1977-79	1980-84	1984	1985	1986-87
Dry Field Peas 3/					1959-69			1984		
Hay, By Kind 5/	1919-54				1955-75	1976-78	1979-84	1984	1985-86	
Summer Fallow 4/					1949-75	1976-79	1980-84	1985		
Grain Storage Capacity (Commercial) 5/					1958-75	1976-79	1980-85	1986		

LIVESTOCK INVENTORY	No. 7	No. 17	No. 30	No. 43				
Cattle, All 5/	1925-60	1961-66	1967-71	1972-76	1977-79	1980-84	1985-86	
Milk Cows 5/	1925-60	1961-66	1967-71	1972-76	1977-79	1980-84	1985-86	
Hogs, All 4/	1925-60	1961-66	1967-70	1972-75	1976-78	1979-83	1984-85	
Sheep, All 5/	1925-40			1971-76	1977-79	1980-84	1985-86	
Stock Sheep 6/	1941-60	1961-66	1967-71	1972-75				
Chickens, All 7/	1951-60	1961-66	1967-70	1971-73				
Horses, All	1925-49	- - - - - - County Estimates Discontinued after 1949 - - - - - -						

HISTORIC PERSPECTIVES	Unnumbered	No. 14	No. 24	No. 39				
Crop Weather		1950-65		1965-76		1976-85		
Price Trends	1910-57		1950-70				1960-86	

*Wheat statistics for 1919-54 are in No. 3 and Flaxseed [illegible]-54 are in No. 2. 1/ Included in Other Spring Wheat prior to 1964. 2/ State estimates 1924-53 in No. 3. 3/ Estimates discontinued after 1966. 4/ Estimates discontinued after 1985. 5/ Estimates discontinued after 1986. 6/ County estimates discontinued after 1975. 7/ County estimates discontinued after 1973.